

[Home](#) [Quick Guide](#) [Contact Us](#) [UL.com](#)

QMFZ2. E53898

Plastics - Component

For enhanced search functionality, please visit UL's [iQ™ Family of Databases](#).

Click on a product designation for complete information.

[Page Bottom](#)**Plastics - Component**[See General Information for Plastics - Component](#)

EMS-CHEMIE AG

E53898

EMS CHEMIE HOLDING

VIA INNOVATIVA 1

7013 DOMAT/EMS, SWITZERLAND

									H	D	
		Min.		H	H	R T I			V	4	C
		Thk	Flame	W	A	Elec	Mech		T	9	T
Material Dsg	Color	mm	Class	I	I		Imp	Str	R	5	I
Polyamide (PA), glass reinforced, "Grilamid", furnished as pellets.											
Grilamid 1SBVX-50H LDS											
	BK	0.75	HB	4	1	65	65	65	1	6	0
		3.0	HB	1	1	65	65	65			
Grilamid LV-(e)H	ALL	0.75	HB	5	0	65	65	65	0	6	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grilamid LV-(ee)H	ALL	0.75	HB	5	0	65	65	65	0	6	0
		1.5	HB	4	0	65	65	65			



		3.0	HB	4	0	65	65	65			
Grilamid LV-15H	ALL	0.75	HB	4	0	65	65	65	0	6	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grilamid LV-2A NZ	ALL	0.75	HB	4	1	65	65	65	0	5	0
		1.5	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
Grilamid LV-5H	ALL	0.75	HB	5	0	65	65	65	0	5	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grilamid LVX-50H	BK	0.75	HB	-	-	65	65	65	-	-	-
Grilamid LVX-65H SST											
	ALL	0.75	HB	3	1	65	65	65	0	5	0
		1.0	HB	2	1	65	65	65			
		3.0	HB	0	0	65	65	65			
Grilamid TR XE 16100, Grilamid TRVL-50X9 HP											
	ALL	0.75	HB	-	-	65	65	65	-	-	-
		3.0	HB	-	-	65	65	65			
Grilamid XE 4103, Grilamid TRVX-50X9											
	ALL	0.75	HB	3	2	65	65	65	0	5	-
		0.85	HB	2	2	65	65	65			
		1.5	HB	1	2	65	65	65			
		3.0	HB	0	1	65	65	65			
Polyamide (PA), modified, "Grilamid", furnished as pellets.											
Grilamid TR 30	ALL	0.75	V-2	3	1	65	65	65	0	4	0
		1.5	V-2	3	1	65	65	65			
		3.0	V-2	2	0	65	65	65			



Grilamid TR 55 (f1)											
	NC	0.81	HB	4	0	100	80	85	0	5	0
		1.5	V-2	3	0	100	80	85			
		3.0	V-2	3	0	100	80	90			
Grilamid TR 55 (f2)											
	ALL	0.81	HB	4	0	100	80	85	0	5	0
		1.5	V-2	3	0	100	80	90			
		3.0	V-2	3	0	100	80	90			
Grilamid TR 55 FC	ALL	0.81	HB	-	-	65	65	65	-	-	-
Grilamid TR 70	NC	0.75	-	4	0	65	65	65	0	4	0
		1.5	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
Grilamid TR 90	ALL	0.75	HB	4	0	65	65	65	0	4	0
		1.5	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
Grilamid XE 4066	ALL	0.75	V-2	3	1	65	65	65	0	4	0
		1.5	V-2	3	1	65	65	65			
		3.0	V-2	2	0	65	65	65			
Grilamid XE 4218	ALL	0.75	V-2	3	1	65	65	65	0	4	0
		1.5	V-2	3	1	65	65	65			
		3.0	V-2	2	0	65	65	65			
Polyamide (PA), "Grilamid", furnished as pellets.											
Grilamid 1SBVX-30H LDS											
	BK	0.75	HB	4	1	65	65	65	0	5	0
		3.0	HB	0	0	65	65	65			
Grilamid L 20 H FR	ALL	0.75	V-2	-	-	-	-	-	-	-	-
Grilamid L 20 LF	BK	0.75	HB	-	-	65	65	65	-	-	-



		1.5	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Grilamid LV-30H V0	ALL	1.5	V-0	0	1	65	65	65	1	5	0
		3.0	V-0	0	0	65	65	65			
		6.0	V-0	0	0	65	65	65			
Grilamid TR 60	NC	1.0	HB	-	-	65	65	65	-	-	-
Grilamid TR 90 LXS	ALL	0.75	HB	-	-	65	65	65	-	-	-
		3.0	HB	-	-	65	65	65			
Grilamid TR 90 UV Blue L10300.03(f1)											
	BL	1.0	V-2	3	0	65	65	65	0	4	-
		2.0	V-2	2	0	65	65	65			
		3.0	V-2	2	0	65	65	65			
Grilamid TR 90 UV Natural (f1)											
	NC	1.0	V-2	3	0	65	65	65	0	4	-
		2.0	V-2	2	0	65	65	65			
		3.0	V-2	2	0	65	65	65			
Grilamid TR 90 UV Trans Green L15301.01(f2)											
	GN	0.8	V-2	4	0	65	65	65	-	-	-
		3.2	V-2	-	-	65	65	65			
Grilamid TR 90 UV Trans Grey L12310.01(f1)											
	GY	1.0	V-2	3	0	65	65	65	0	4	-
		2.0	V-2	2	0	65	65	65			
		3.0	V-2	2	0	65	65	65			
Grilamid TR 90 UV(f1)											
	ALL	1.0	HB	3	0	65	65	65	0	4	-
		2.0	HB	2	0	65	65	65			
		3.0	HB	2	0	65	65	65			



Grilamid TR ICR 12 LS											
	ALL	0.75	HB	-	-	65	65	65	-	-	-
		3.0	HB	-	-	65	65	65			
Grilamid XT 4516, Grilamid TRV-55X9											
	ALL	0.80-0.85	HB	-	-	65	65	65	-	-	-
TR RDS 4877 (f1)	NC, BK, RD	1.5	HB	3	0	65	65	65	0	3	0
		2.0	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
TR RDS 4877 (f2)	ALL	0.75	HB	3	0	65	65	65	0	3	0
		1.0	HB	3	0	65	65	65			
		1.5	HB	3	0	65	65	65			
		2.0	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
XE 3805 UV(f1)	NC, BK, RD	1.5	HB	3	0	65	65	65	0	3	0
		2.0	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
XE 3805 UV(f2)	ALL	0.75	HB	3	0	65	65	65	0	3	0
		1.0	HB	3	0	65	65	65			
		1.5	HB	3	0	65	65	65			
		2.0	HB	3	0	65	65	65			
		3.0	HB	2	0	65	65	65			
Polyamide (PA), glass and mineral reinforced, "Grilon", furnished as pellets.											
Grilon BGM-40 X	BK	0.75	HB	-	-	65	65	65	-	-	-
		3.0	HB	-	-	65	65	65			
Polyamide (PA), glass reinforced, "Grilon", furnished as pellets.											
Grilon TSG-30/4 LF 12											
	RD	0.75	HB	4	2	-	-	-	2	6	-



		1.5	HB	3	1	-	-	-			
		3.0	HB	1	1	-	-	-			
Grilon TSG-50/4	ALL	0.75	HB	4	1	65	65	65	2	6	1
		1.5	HB	4	1	65	65	65			
		3.0	HB	4	0	65	65	65			
Grilon TSG-50/4 (BK)											
	BK	0.75	HB	4	1	65	65	65	2	6	1
		1.5	HB	4	1	65	65	65			
	ALL	3.0	HB	4	0	65	65	65			
Grilon TSGK-30 X	ALL	0.75	HB	4	0	65	65	65	0	6	1
		1.0	HB	4	0	65	65	65			
		2.0	HB	4	0	65	65	65			
		3.0	HB	2	0	65	65	65			
Grilon XE 5037, Grilon TSGL-50/4											
	BK	0.75	HB	4	0	65	65	65	0	5	-
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Polyamide (PA), mineral reinforced, "Grilon", furnished as pellets.											
Grilon TSM-30	NC, BK	0.75	HB	-	-	65	65	65	-	-	-
		1.5	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Polyamide (PA), "Grilon", furnished as pellets.											
Grilon BK-30	ALL	0.75	HB	4	0	65	65	65	0	6	1
		1.6	HB	3	0	65	65	65			
		3.0	HB	3	0	65	65	65			
Grilon TS FR	ALL	0.4	V-2	-	-	65	65	65	-	-	-
		1.6	V-2	-	-	65	65	65			



		3.0	V-2	-	-	65	65	65			
Grilon TS V0 (f1)	NC, BK	0.4	V-0	4	0	125	-	-	0	5	0
		0.8	V-0	4	0	125	105	120			
		1.5	V-0	3	0	125	105	120			
		3.0	V-0	2	0	125	105	120			
Grilon TS V0 (f2)	ALL	0.4	V-0	4	0	125	-	-	0	5	0
		0.8	V-0	4	0	125	105	120			
		1.5	V-0	3	0	125	105	120			
		3.0	V-0	2	0	125	105	120			
Grilon TS XE 16106(f1), Grilon TSGL-50/4 V0(f1)											
	BK	1.6	V-0, 5VA	0	0	130	105	140	0	5	0
		3.0	V-0, 5VA	0	0	130	105	140			
Grilon TS XE 16106, Grilon TSGL-50/4 V0											
	ALL	0.75	V-1	0	0	130	105	140	0	5	0
		0.85	V-1	0	0	130	105	140			
		1.6	V-0	0	0	130	105	140			
	BK	1.6	V-0, 5VA	0	0	130	105	140			
	ALL	3.0	V-0	0	0	130	105	140			
Grilon TSG-50 FA	NC, BK	0.75	HB	4	1	120	100	120	-	-	-
		1.5	HB	4	0	125	100	125			
		3.0	HB	3	0	125	110	125			
Grilon TSM-30/4 V0, Grilon XE 5032											
	BK	0.75	V-0	2	2	65	65	65	0	5	-
		1.7	V-0	0	1	65	65	65			
		3.0	V-0	0	0	65	65	65			
Grilon XE 3603	BK	0.50	HB	-	-	65	65	65	-	-	-
Polyamide (PA), blend, "Grivory", furnished as pellets.											



Grivory G 355 NZ	NC	0.75	HB	4	0	90	90	95	1	5	0
	ALL	1.5	HB	3	0	90	90	100			
		3.0	HB	3	0	90	90	100			
Grivory GC-4H	BK	0.75	HB	-	-	65	65	65	-	-	-
		1.5	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			

Polyamide (PA), blend, glass reinforced, "Grivory", furnished as pellets.

Grivory GV-2H(t2)	ALL	0.85	HB	-	-	-	-	-	-	-	-
		1.5	HB	-	-	-	-	-			
		3.0	HB	-	-	-	-	-			
Grivory GV-4H(t3)	ALL	0.85	HB	-	-	-	-	-	-	-	-
		1.5	HB	-	-	-	-	-			
		3.0	HB	-	-	-	-	-			
Grivory GV-6H(t4)	ALL	0.85	HB	-	-	-	-	-	-	-	-
		1.5	HB	-	-	-	-	-			
		3.0	HB	-	-	-	-	-			

[Grivory GVN-35H\(t3\)](#)

	ALL	0.85	HB	-	-	-	-	-	-	-	-
		1.5	HB	-	-	-	-	-			
		3.0	HB	-	-	-	-	-			
Grivory GVS-5H	NC, BK	0.75	HB	-	-	-	-	-	-	-	-

Polyamide (PA), glass reinforced, "Grivory", furnished as pellets.[Grivory GV XE 11106](#)

	BK	0.4	V-0	-	-	65	65	65	-	-	-
		3.0	V-0	-	-	65	65	65			

[Grivory GV XE 11127](#)

	ALL	0.4	HB	-	-	65	65	65	-	-	-
--	-----	-----	----	---	---	----	----	----	---	---	---



		3.0	HB	-	-	65	65	65			
Grivory GV XE 4291(t3)											
	ALL	0.85	HB	-	-	65	65	65	-	-	-
		1.5	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Grivory GV XE 5106(f1), Grivory GVL-4H V0(f1)											
	BK	1.6	V-0, 5VA	0	1	65	65	65	0	5	0
		3.0	V-0, 5VA	0	0	65	65	65			
Grivory GV XE 5107, Grivory GVL-5H V0											
	BK	1.6	V-0, 5VA	0	1	65	65	65	0	5	0
		3.0	V-0, 5VA	0	0	65	65	65			
Grivory GV-5H(t3)											
	ALL	0.85	HB	-	-	65	65	65	-	-	-
		1.5	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Grivory GVL-5H FC(f1)											
	ALL	1.5	HB	4	0	65	65	65	1	5	-
		3.0	HB	3	0	65	65	65			
Grivory GVX-(x) FWA, Grivory GVX-(xx) FWA, Grivory GVX-(x)H, Grivory GVX-(xx)H											
	ALL	0.75	HB	4	0	65	65	65	0	5	0
		1.0	HB	4	0	65	65	65			
		1.5	HB	4	0	65	65	65			
		2.0	HB	4	0	65	65	65			
		3.0	HB	3	0	65	65	65			
Grivory GVX-7 FWA, Grivory GVX-70 FWA, Grivory GVX-7H, Grivory GVX-70H											
	ALL	0.75	HB	4	0	65	65	65	0	5	0
		1.0	HB	4	0	65	65	65			
		1.5	HB	4	0	65	65	65			



		2.0	HB	4	0	65	65	65			
		3.0	HB	0	0	65	65	65			
Grivory HT XE 10811											
	ALL	0.75	HB	4	0	65	65	65	-	-	0
		3.0	HB	3	0	65	65	65			
Grivory HT XE 16125, Grivory HT1VL-50X											
	BK	0.75	HB	3	0	65	65	65	1	5	0
		1.5	HB	1	0	65	65	65			
		3.0	HB	0	0	65	65	65			
Grivory HT XE 4235											
	ALL	0.75	HB	4	0	65	65	65	-	-	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grivory HT1V-(c) FWA											
	ALL	0.75	HB	4	0	65	65	65	-	-	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grivory HT1V-3 FA											
	ALL	0.75	HB	4	0	65	65	65	-	-	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grivory HT1V-35 HY											
	BK	0.75	HB	4	-	150	140	140	-	-	0
		1.0	HB	-	-	150	140	140			
		3.0	HB	-	-	150	140	150			
Grivory HT1V-4 FWA, Grivory HT1V-4 FA											
	ALL	0.75	HB	4	0	65	65	125	-	-	0
		1.5	HB	4	0	65	65	125			
		3.0	HB	4	0	65	65	130			
Grivory HTV-(c)H1											
	ALL	0.75	HB	-	-	65	65	65	-	-	-



Grivory HTV-(c)X1, Grivory HTV-(c)X, Grivory HTV-(c)X											
	ALL	0.75	HB	4	0	65	65	65	-	-	0
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grivory HTV-(c)H1	ALL	0.75	HB	-	-	65	65	65	-	-	-
Grivory HTV-3H1	ALL	0.75	HB	4	-	150	140	140	-	-	0
		1.5	HB	-	-	150	140	140			
		3.0	HB	-	-	150	140	150			
Grivory HTV-4H1	ALL	0.75	HB	4	2	150	140	140	-	-	0
		1.5	HB	4	2	150	140	140			
		3.0	HB	3	2	150	140	150			
Grivory HTV-4X1	ALL	0.75	HB	4	0	65	65	125	-	-	0
		1.5	HB	4	0	65	65	125			
		3.0	HB	4	0	65	65	130			
Grivory HTV-5H1	ALL	0.75	HB	-	-	65	65	65	-	-	-
Grivory HTV-6H1	ALL	0.75	HB	1	1	65	65	65	0	5	0
		1.5	HB	0	1	65	65	65			
		3.0	HB	0	0	65	65	65			
Grivory XE 3858, Grivory G4V-5H											
	BK	0.75	HB	-	-	-	-	-	-	-	-
Grivory XE 3996 Black 9225											
	BK	0.4	HB	4	0	65	65	65	4	5	0
		0.8	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grivory XE 4095	ALL	0.75	HB	4	0	-	-	115	1	5	-
		1.0	HB	4	0	-	-	115			
		1.5	HB	4	0	-	-	120			



		2.0	HB	4	0	-	-	120			
		3.0	HB	3	0	-	-	130			
Grivory XE 4120	ALL	0.35	V-0	4	0	140	90	90	0	5	-
		0.75	V-0	2	0	150	100	105			
		1.0	V-0	2	0	150	100	105			
		1.5	V-0	0	0	150	105	110			
		2.0	V-0	0	0	150	105	110			
		3.0	V-0	0	0	150	105	110			
Grivory XE 4134	ALL	0.40	HB	4	3	65	65	65	0	5	-
		0.75	HB	4	3	65	65	65			
		1.20	HB	4	3	65	65	65			
		1.5	HB	4	2	65	65	65			
		2.0	HB	4	3	65	65	65			
		3.0	HB	4	1	65	65	65			
Grivory XE 4164	ALL	0.40	HB	-	-	-	-	-	1	5	0
		0.75	HB	4	2	-	-	-			
		1.0	HB	4	2	-	-	-			
		1.5	HB	1	1	-	-	-			
		2.0	HB	1	1	-	-	-			
		3.0	HB	0	1	-	-	-			
Grivory XE 4213, Grivory GVX-5H FR											
	ALL	1.5	-	0	0	65	65	65	0	5	0
		3.0	V-0	0	0	65	65	65			
		6.0	V-0	0	0	65	65	65			
Grivory XE 4214, Grivory GVX-5H V0											
	ALL	0.40	V-0	0	0	65	65	65	0	5	0
		0.80	V-0, 5VB	0	0	65	65	65			



		1.0	V-0, 5VA	0	0	65	65	65			
		3.0	V-0, 5VA	0	0	65	65	65			
Grivory XE 4520, Grivory GVX-5H EP V0											
	ALL	0.45	V-0	4	0	65	65	65	1	5	0
		0.75	V-0	0	0	65	65	65			
		1.0	V-0	-	-	65	65	65			
		1.5	V-0	0	0	65	65	65			
		2.0	V-0	-	-	65	65	65			
		3.0	V-0	0	0	65	65	65			
Grivory XE 5041(f1), Grivory GVL-5H(f1)											
	ALL	1.5	HB	4	0	65	65	65	1	5	-
		3.0	HB	3	0	65	65	65			
Grivory XT 3674	ALL	0.75	HB	4	0	65	65	65	0	5	0
		1.0	HB	4	0	65	65	65			
		1.5	HB	4	0	65	65	65			
		2.0	HB	4	0	65	65	65			
		3.0	HB	0	0	65	65	65			
Polyamide (PA), mineral reinforced, "Grivory", furnished as pellets.											
Grivory GM-4H	BK	0.5	HB	-	-	65	65	65	-	-	-
Polyamide (PA), "Grivory", furnished as pellets.											
Grivory G6VX-AP 55H											
	NC	0.4	HB	-	-	65	65	65	-	-	-
	ALL	0.6	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Grivory GTR 45	NC	0.75	V-2	-	-	65	65	65	-	-	-
Grivory GV XE 11107											
	NC	0.4	HB	-	-	65	65	65	-	-	-



	ALL	0.6	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Grivory GV XE 11119											
	ALL	0.75	V-0	0	0	65	65	65	0	5	0
		1.5	V-0	0	0	65	65	65			
		3.0	V-0	0	0	65	65	65			
Grivory GV-(g) FWA, Grivory GV-(gg) FWA											
	ALL	0.75	HB	4	0	65	65	65	0	5	0
		1.0	HB	4	0	65	65	65			
		1.5	HB	4	0	65	65	65			
		2.0	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grivory GV-3H V0, Grivory XE 3950											
	ALL	0.35	V-0	-	-	-	-	-	0	5	0
		0.75	V-0	0	0	140	65	65			
		1.0	V-0	0	0	140	65	65			
		2.0	V-0	0	0	140	65	65			
		3.0	V-0	0	0	140	65	65			
Grivory GV-4H V0, Grivory XE 3951											
	NC, BK	0.35	V-0	-	-	65	65	65	2	5	0
	ALL	0.45	V-0	-	-	65	65	65			
		0.75	V-0	0	0	140	65	65			
		1.0	V-0	0	0	140	65	65			
		2.0	V-0	0	0	140	65	65			
		3.0	V-0	0	0	140	65	65			
Grivory HT2V-3H LF											
	ALL	0.75	HB	4	1	65	65	65	1	6	0
		1.5	HB	1	1	65	65	65			



		3.0	HB	0	0	65	65	65			
Grivory ST3656, Grivory GVX-45H V0											
	ALL	0.75	V-0	0	0	-	-	-	0	5	-
		1.0	V-0	0	0	-	-	-			
		1.5	V-0	0	0	-	-	-			
		2.0	V-0	0	0	-	-	-			
		3.0	V-0	0	0	-	-	-			
Grivory XE 3991											
	ALL	0.75	HB	4	0	65	65	65	0	5	0
		1.0	HB	4	0	65	65	65			
		1.5	HB	4	0	65	65	65			
		2.0	HB	4	0	65	65	65			
		3.0	HB	3	0	65	65	65			
Grivory XE 4027(f1), Grivory HT3V-30 V0(f1), Grivory HT XE 4027(f1)											
	ALL	0.75	V-0	1	0	150	110	115	0	4	0
		1.0	V-0	1	0	150	110	115			
		1.5	V-0	0	0	150	110	115			
		2.0	V-0	0	0	150	110	115			
		3.0	V-0	0	0	150	115	120			
Grivory XE 4027(f2), Grivory HT3V-30 V0(f2), Grivory HT XE 4027(f2)											
	ALL	0.35	V-0	3	0	150	85	90	0	4	0
		0.75	V-0	1	0	150	110	115			
		1.0	V-0	1	0	150	110	115			
		1.5	V-0	0	0	150	110	115			
		2.0	V-0	0	0	150	110	115			
		3.0	V-0	0	0	150	115	120			
Grivory XE 4101, Grivory HT3V-40 FWA											
	ALL	0.75	HB	-	-	65	65	65	-	-	-



		1.5	HB	-	-	65	65	65			
		3.0	HB	-	-	65	65	65			
Grivory XE 4185	ALL	0.36	V-0	4	0	65	65	65	2	5	0
		0.75	V-0	3	0	65	65	65			
		1.0	V-0	3	0	65	65	65			
		1.5	V-0	2	0	65	65	65			
		2.0	V-0	2	0	65	65	65			
		3.0	V-0	1	0	65	65	65			
Grivory XE 4191	ALL	0.75	HB	4	0	65	65	125	-	-	0
		1.5	HB	4	0	65	65	125			
		3.0	HB	4	0	65	65	130			
Polyamide 12 (PA12), glass reinforced, "Grilamid", furnished as pellets.											
Grilamid LKN-5H	ALL	0.75	HB	4	0	110	90	90	1	6	0
		1.5	HB	3	0	110	90	90			
		3.0	HB	3	0	110	90	90			
Grilamid LV-30H FWA (f1)											
	NC, BK, RD	0.75	HB	4	0	100	100	100	0	6	0
	ALL	1.5	HB	4	0	110	110	110			
		3.0	HB	2	0	110	110	110			
Grilamid LV-30H FWA (f2)											
	ALL	0.75	HB	4	0	110	100	100	0	6	0
		1.5	HB	4	0	110	110	110			
		3.0	HB	2	0	110	110	110			
Grilamid LV-3H (f1)											
	NC, BK, RD	0.75	HB	4	0	100	100	100	0	6	0
	ALL	1.5	HB	4	0	110	110	110			
		3.0	HB	2	0	110	110	110			



Grilamid LV-3H (f2)											
	ALL	0.75	HB	4	0	110	100	100	0	6	0
		1.5	HB	4	0	110	110	110			
		3.0	HB	2	0	110	110	110			
Polyamide 12 (PA12), "Grilamid", furnished as pellets.											
Grilamid L 16 GM	ALL	0.86	HB	4	2	-	-	-	0	5	0
		1.5	HB	3	1	-	-	-			
		3.0	HB	3	0	-	-	-			
Grilamid L 16 LM	NC	0.8	HB	-	-	65	65	65	-	-	-
Grilamid L 16 W 20	BK	0.81	HB	-	-	65	65	65	-	-	-
		1.5	HB	-	-	105	65	95			
Grilamid L 20 G	ALL	1.5	HB	-	-	-	-	-	-	-	-
Grilamid L 25	NC	1.5	HB	-	-	-	-	-	-	-	-
Grilamid L 25 nat. 6112											
	NC	1.5	HB	-	-	-	-	-	-	-	-
Grilamid L 25 W 20	NC, BK	1.5	HB	-	-	-	-	-	-	-	-
Grilamid L 25 W 40	NC, BK	1.5	HB	-	-	-	-	-	-	-	-
Grilamid TR 55 LX	ALL	0.8	HB	-	-	65	65	65	-	-	-
Polyamide 6 (PA6), glass and mineral reinforced, "Grilon", furnished as pellets.											
Grilon BGM-40/2 X	ALL	0.81	HB	4	1	130	110	110	1	6	1
		1.5	HB	4	1	130	110	130			
		3.0	HB	3	1	130	110	130			
Grilon BGM-65 X V0, Grilon XE 3147											
	ALL	0.75	V-2	0	1	-	-	-	0	5	0
		0.85	V-2	0	1	-	-	-			
		1.5	V-0	0	1	-	-	-			
		3.0	V-0	0	1	-	-	-			



Grilon XE3147	ALL	0.75	V-2	0	1	-	-	-	0	5	0
		0.90	V-2	0	1	-	-	-			
		1.5	V-0	0	1	-	-	-			
		3.0	V-0	0	1	-	-	-			
Polyamide 6 (PA6), glass reinforced, "Grilon", furnished as pellets.											
Grilon BG-(a) FR	ALL	0.84	V-2	-	-	-	-	-	-	-	-
Grilon BG-(aa) S	ALL	0.75	HB	-	-	130	95	110	1	6	1
		1.5	HB	3	0	130	105	115			
		3.0	HB	0	0	130	105	120			
Grilon BG-(aa)/2	ALL	0.75	HB	4	-	130	95	110	1	6	1
		1.5	HB	4	0	130	105	115			
		3.0	HB	4	0	130	105	120			
Grilon BG-(b)	ALL	0.85	HB	-	-	-	-	-	-	-	-
Grilon BG-(bb) S	ALL	0.75	HB	-	-	130	95	130	0	6	1
		1.5	HB	3	0	130	105	130			
		3.0	HB	1	0	130	110	130			
Grilon BG-(ff)/2	ALL	0.75	HB	-	-	130	100	130	0	6	1
		1.5	HB	3	0	130	100	130			
		3.0	HB	1	0	130	110	130			
Grilon BG-15 S	ALL	0.75	HB	4	0	130	95	110	1	6	1
		1.5	HB	4	0	130	105	115			
		3.0	HB	4	0	130	105	120			
Grilon BG-15/2	ALL	0.75	HB	4	0	130	95	110	1	6	1
		1.5	HB	4	0	130	105	115			
		3.0	HB	4	0	130	105	120			
Grilon BG-25/2	ALL	0.75	HB	4	0	130	95	110	1	6	1
		1.5	HB	4	0	130	105	115			



		3.0	HB	4	0	130	105	120			
Grilon BG-30 S(f1)	ALL	0.72	HB	-	-	140	100	130	1	6	1
		0.75	HB	-	-	140	100	130			
		1.7	HB	3	0	140	105	130			
		3.0	HB	0	0	140	105	130			
Grilon BG-30/2	ALL	0.75	HB	4	-	140	95	140	1	6	1
		1.5	HB	3	0	140	105	140			
		3.0	HB	1	0	140	110	140			
Grilon BG-35 S	ALL	0.75	HB	-	-	140	100	140	1	6	1
		1.5	HB	3	0	140	100	140			
		3.0	HB	0	0	140	110	140			
Grilon BG-35/2	ALL	0.75	HB	-	-	140	100	140	1	6	1
		1.5	HB	3	0	140	100	140			
		3.0	HB	1	0	140	110	140			
Grilon BG-40 HM	ALL	0.75	HB	3	0	120	100	130	0	6	0
		1.5	HB	2	0	120	100	130			
		3.0	HB	0	0	120	100	140			
Grilon BG-50 S	ALL	0.75	HB	3	2	130	100	130	0	6	0
		1.5	HB	1	0	130	100	130			
		3.0	HB	0	0	130	110	130			
Grilon BG-50/2	ALL	0.75	HB	3	2	130	100	130	0	6	0
		1.5	HB	1	0	130	100	130			
		3.0	HB	0	0	130	110	130			
Grilon BGZ-(aa)/2	ALL	0.81	HB	4	1	130	95	115	1	6	1
		1.5	HB	2	1	130	95	120			
		3.0	HB	1	0	130	100	130			
Grilon BGZ-15/2	ALL	0.75	HB	4	0	130	95	115	1	5	0



		1.5	HB	2	0	130	95	120			
		3.0	HB	0	0	130	100	130			
Grilon BGZ-30	ALL	0.75	HB	3	0	65	65	65	1	5	-
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grilon BGZ-30/2	ALL	0.81	HB	2	1	140	100	140	1	6	1
		1.5	HB	1	1	140	110	140			
		3.0	HB	1	0	140	110	140			
Grilon BGZ-30/3	ALL	0.81	HB	4	0	140	95	140	1	5	0
		1.5	HB	3	0	140	105	140			
		3.0	HB	3	0	140	110	140			
Grilon BGZ-40	ALL	0.75	HB	3	0	65	65	65	2	5	-
		1.5	HB	1	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Grilon BK-50	ALL	0.89	HB	-	-	65	65	65	-	-	-
Grilon XE3207	ALL	0.70	V-2	4	0	-	-	-	0	5	1
		1.5	V-2	4	0	-	-	-			
		3.5	V-2	3	0	-	-	-			
Polyamide 6 (PA6), mineral reinforced, "Grilon", furnished as pellets.											
Grilon BM-15/2 EC	BK	0.75	HB	-	-	-	-	-	-	-	-
		1.5	HB	-	-	-	-	-			
		3.0	HB	-	-	-	-	-			
Grilon BM-30/2	ALL	0.81	HB	4	0	130	100	110	1	6	1
		1.5	HB	3	0	130	100	130			
	NC, RD, WT	1.5	V-2	3	0	130	100	130			
		3.0	V-2	3	0	130	110	130			
Polyamide 6 (PA6), "Grilon", furnished as pellets.											



Grilon A 23 G nat. 6165											
	NC	0.84	V-2	-	-	-	-	-	-	-	-
Grilon A 23 GM HS	ALL	0.75	V-2	4	0	130	75	95	0	5	0
		1.5	V-2	4	0	130	75	105			
		3.0	V-2	3	0	130	75	110			
Grilon A 26 V0	ALL	0.75	V-0	4	0	65	65	120	1	6	0
		1.5	V-0	3	0	65	65	120			
		3.0	V-0	3	0	65	65	120			
Grilon A 28 GM HS	ALL	0.75	V-2	4	0	130	75	95	0	5	0
		1.5	V-2	4	0	130	75	105			
		3.0	V-2	3	0	130	75	110			
Grilon A 28 NX	ALL	0.75	HB	4	0	130	75	110	0	6	0
		1.5	HB	4	0	130	75	115			
		3.0	HB	3	0	130	75	125			
Grilon A 28 NY	ALL	0.75	HB	4	0	130	75	110	0	6	0
		1.5	HB	4	0	130	75	115			
		3.0	HB	3	0	130	75	125			
Grilon BGZ-15	NC, BK	1.5	HB	-	-	65	65	65	-	-	-
Grilon BGZ-50/2	NC, BK	0.75	HB	-	-	65	65	65	-	-	-
Grilon BM-30 FR	NC, BK	0.75	V-2	-	-	-	-	-	-	-	-
Grilon BR 40	NC	0.71	-	-	-	105	65	65	0	5	0
		1.5	HB	4	0	105	65	65			
		3.0	HB	3	0	105	75	85			
		6.0	HB	3	0	105	75	85			
Grilon BS	ALL	1.5	HB	-	-	-	-	-	-	-	-
Grilon BS 23	ALL	0.78	V-2	4	0	-	-	-	0	5	0
		1.5	V-2	3	0	-	-	-			



		3.0	V-2	3	0	-	-	-			
		6.0	V-2	3	0	-	-	-			
Grilon BS 23 V0	ALL	0.75	V-0	-	-	-	-	-	-	-	-
		0.85	V-0	-	-	-	-	-			
		1.5	V-0	-	-	-	-	-			
		3.0	V-0	-	-	-	-	-			
Grilon BS 23/2	ALL	0.78	V-2	4	0	130	75	105	0	5	0
		1.5	V-2	3	0	130	75	105			
		3.0	V-2	3	0	130	75	115			
		6.0	V-2	3	0	130	75	115			
Grilon BS FR	ALL	1.2	V-2	-	-	-	-	-	-	-	-
Grilon BS V0	ALL	0.25	V-0	-	-	65	65	65	0	5	0
		0.75	V-0	3	0	130	65	120			
		0.85	V-0	3	0	130	65	120			
		1.5	V-0	3	0	130	95	120			
		3.0	V-0	2	0	130	105	120			
Grilon BS V0 X, Grilon XE 5031											
	NC	0.30	-	-	-	65	65	65	2	5	0
		0.35	V-0	-	-	140	65	65			
		0.75	V-0	4	0	140	105	120			
	ALL	1.0	V-0	4	0	140	105	120			
		1.5	V-0	3	0	140	105	120			
		3.0	V-0	2	0	140	105	120			
Grilon BS/2	ALL	0.75	HB	-	-	130	75	105	0	5	0
		1.5	HB	4	0	130	75	105			
		3.0	HB	3	0	130	75	115			
		6.0	HB	3	0	130	75	115			



Grilon BT 40 Z	ALL	0.8	HB	-	-	65	65	65	-	-	-
Grilon BZ 1/2	BK	0.75	HB	5	0	120	65	95	1	6	1
		1.5	HB	4	0	120	65	100			
		3.0	HB	4	0	120	70	105			
Grilon BZ 3/2	ALL	0.75	HB	4	0	130	75	115	0	5	0
		1.5	HB	4	0	130	75	120			
		3.0	HB	3	0	130	75	120			
Grilon F 50 H	NC	0.75-0.85	HB	-	-	-	-	-	-	-	-
Polyamide 6/66 (PA6/66), glass reinforced, "Grilon", furnished as pellets.											
Grilon XE 5017 (f1), Grilon TSG-30/4 V0 (f1)											
	ALL	0.8	V-0	0	0	120	110	140	1	5	0
		1.0	V-0	0	0	120	110	140			
		1.2	V-0, 5VA	0	0	120	110	140			
		3.0	V-0, 5VA	0	0	120	110	140			
Grilon XE 5017, Grilon TSG-30/4 V0											
	ALL	0.35	V-0	4	0	65	65	65	1	5	0
		0.8	V-0	0	0	120	110	140			
	NC, BK	0.8	V-0, 5VA	0	0	120	110	140			
	ALL	1.0	V-0	0	0	120	110	140			
		1.2	V-0, 5VA	0	0	120	110	140			
		3.0	V-0, 5VA	0	0	120	110	140			
Polyamide 6/66 (PA6/66), "Grilon", furnished as pellets.											
Grilon TS V0 X, Grilon XE 5030											
	NC	0.30	-	-	-	-	-	-	2	5	0
	ALL	0.35	V-0	4	1	115	65	65			
		0.40	V-0	4	1	125	65	65			
		0.75	V-0	4	0	125	105	120			



		1.5	V-0	3	0	125	105	120			
		3.0	V-0	2	0	125	105	120			
Polyamide 66 (PA66), glass reinforced, "Grilon", furnished as pellets.											
Grilon AG-(aa)/2	ALL	0.75	HB	4	0	120	105	120	0	6	1
		1.5	HB	4	0	125	105	125			
		3.0	HB	4	0	125	110	125			
Grilon AG-(bb)/2	ALL	0.75	HB	4	0	120	105	120	1	6	1
		1.5	HB	4	0	125	105	125			
		3.0	HB	4	0	125	110	125			
Grilon AG-15/2	ALL	0.75	HB	4	0	130	110	120	0	6	1
		1.5	HB	4	0	130	110	125			
		3.0	HB	4	0	130	110	125			
Grilon AG-30/2	ALL	0.75	HB	4	0	120	105	120	0	6	1
		1.5	HB	4	0	125	105	125			
		3.0	HB	4	0	125	115	125			
Grilon AG-50/2	ALL	0.75	HB	4	0	120	110	120	1	6	0
		1.5	HB	3	0	125	110	125			
		3.0	HB	3	0	125	110	125			
Grilon XE 5038, Grilon TSGL-40/4 FA											
	BK	0.75	HB	4	0	65	65	65	0	6	-
		1.5	HB	4	0	65	65	65			
		3.0	HB	4	0	65	65	65			
Polyamide 66 (PA66), "Grilon", furnished as pellets.											
Grilon AS V0	ALL	0.75	V-0	4	0	115	105	120	0	5	0
		0.85	V-0	4	0	115	105	120			
		1.5	V-0	2	0	115	105	120			
		3.0	V-0	1	0	115	105	120			



	ALL	0.8	V-2	3	0	-	-	-	0	5	1
		1.0	V-2	3	0	-	-	-			
		1.6	V-1	0	0	-	-	-			
		3.0	V-0	0	0	-	-	-			
Grilon TSS/4	ALL	1.5	HB	-	-	65	65	65	-	-	-
Polyamide 6T/66 (PA6T/66), glass reinforced, "Grivory", furnished as pellets.											
Grivory HT2V-33H	NC, BK	0.86	HB	-	-	-	-	-	-	-	-
Grivory HT2V-3H	NC, BK	0.86	HB	-	-	-	-	-	-	-	-
		3.0	HB	-	-	-	-	-			
Grivory HT2V-45H	NC, BK	0.86	HB	-	-	-	-	-	-	-	-
Grivory XE 3818	NC, BK	0.4	V-0	0	0	150	-	-	3	6	1
	ALL	0.8	V-0	0	0	150	-	-			
		3.2	V-0	0	0	150	-	-			
Grivory XE 3818 (d)											
	BK	0.4-0.8	V-0	-	-	-	-	-	-	-	-
Grivory XE 3819	ALL	0.4	V-0	0	0	-	-	-	1	6	1
		0.75	V-0	0	0	-	-	-			
		3.0	V-0	0	0	-	-	-			
Grivory XE 3903, Grivory HT2V-5X V0											
	ALL	0.35	V-0	0	0	-	-	-	0	5	1
		0.75	V-0, 5VA	0	0	140	100	130			
		1.0	V-0, 5VA	0	0	140	100	130			
		1.5	V-0, 5VA	0	0	140	110	140			
		2.0	V-0, 5VA	0	0	140	110	140			
		3.0	V-0, 5VA	0	0	140	110	140			
Polyamide 6T/66 (PA6T/66), glass reinforced, "Grivory".											
Grivory XE 3902, Grivory HT2V-4X V0											



	ALL	0.35	V-0	2	0	-	-	-	0	5	1
		0.75	V-0	1	0	140	100	110			
		1.0	V-0	1	0	140	100	110			
		1.4	V-0, 5VA	1	0	140	100	110			
		1.5	V-0, 5VA	0	0	140	100	115			
		2.0	V-0, 5VA	0	0	140	100	115			
		3.0	V-0, 5VA	0	0	140	105	120			

Polyamide 6T/66 (PA6T/66), "Grivory", furnished as pellets.

Grivory HT2V-5H	NC, BK	0.86	HB	-	-	-	-	-	-	-	-
		3.0	HB	-	-	-	-	-			

[Grivory XE 3876 \(f1\), Grivory HT2V-3X V0 \(f1\)](#)

	ALL	0.35	V-0	2	0	140	65	65	0	5	0
		0.75	V-0	1	0	150	100	110			
		1.0	V-0	1	0	150	100	110			
	NC	1.4-13.0	V-0, 5VA	1	0	150	100	110			
	ALL	1.4	V-0	1	0	150	100	110			
		1.5	V-0	0	0	150	100	115			
		2.0	V-0	0	0	150	100	115			
		3.0	V-0	0	0	150	105	120			

[Grivory XE 3876\(dd\) \(f2\), Grivory HT2V-3X V0\(dd\) \(f2\)](#)

	ALL	0.35	V-0	2	0	140	65	65	0	5	0
		0.75	V-0	1	0	150	100	110			
		1.0	V-0	1	0	150	100	110			
		1.4	V-0, 5VA	1	0	150	100	110			
		1.5	V-0, 5VA	0	0	150	100	115			
		2.0	V-0, 5VA	0	0	150	100	115			
		3.0	V-0, 5VA	0	0	150	105	120			

**Polyamide 6T/6I (PA6T/6I), mineral reinforced, "Grivory", furnished as pellets.**

Grivory HTM-4H1	NC	0.75	HB	-	-	-	-	-	-	-	-
---------------------------------	----	------	----	---	---	---	---	---	---	---	---

- (a) - represents a number 5-30% denoting glass fiber content
- (aa) - Represents two digits 16-29 incl. denoting percentage of glass fibers.
- (b) - represents a number 5-50% denoting glass fiber content
- (bb) - Represents two digits 31-49 incl. denoting percentage of glass fibers.
- (c) - Represents one digit number from 3 to 6 denoting glass content from 30 to 60 percent.
- (cc) - Represents two digit number from 30 to 60 denoting glass content from 30 to 60 percent.
- (d) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics with respect to flammability
- (dd) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics with respect to the V-0 flammability rating for BK color only.
- (e) - Represents one digit number from 2 to 5 denoting glass content from 20 to 50 percent
- (ee) - Represents two digit numbers from 15 to 50 denoting glass content from 15 to 50 percent
- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.
- (ff) - Represents two digits 36-49 incl. denoting percentage of glass fibers.
- (g) - Represents one digit number from 2 to 6 denoting glass content from 20 to 60 percent
- (gg) - Represents two digit numbers from 20 to 60 denoting glass content from 20 to 60 percent.
- (t2) - Glow wire ignitibility temperature of 650C @ 0.85, 1.5 & 3.0mm.
- (t3) - Glow wire ignitibility temperature of 650C @ 0.85 & 1.5mm and 750C @ 3.0mm.
- (t4) - Glow wire ignitibility temperature of 650C @ 0.85mm and 750C @ 1.5 & 3.0mm.



(x) - Represents one digit number from 5 to 7 denoting glass content from 50 to 70 percent

(xx) - Represents two digit number from 50 to 70 denoting glass content from 50 to 70 percent

Marking: Company name or tradename "EMS" , "GRILAMID" , "GRILON" , "GRIVORY" and material designation on container, wrapper or finished part.

[Last Updated](#) on 2018-02-26

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2018 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2018 UL LLC".