

DuPont™ Hytrel® HTR6347G10 NC010

THERMOPLASTIC POLYESTER ELASTOMER

Product Information

Hytrel® HTR6347G10 NC010 is a 63 Shore D, Glass Reinforced, High Performance Polyester Elastomer

Rheological properties	Value	Unit	Test Standard
Melt mass-flow rate	15	g/10min	ISO 1133
Melt mass-flow rate, Temperature	240	°C	ISO 1133
Melt mass-flow rate, Load	2.16	kg	ISO 1133
Molding shrinkage, parallel	1.3	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
Mechanical properties (TPE)	Value	Unit	Test Standard
Stress at break	40	MPa	ISO 527-1/-2
Strain at break	15	%	ISO 527-1/-2
Shore D hardness, 15s	69	-	ISO 7619-1
Mechanical properties	Value	Unit	Test Standard
Tensile Modulus	1900	MPa	ISO 527-1/-2
Charpy notched impact strength			ISO 179/1eA
73°F	9.5	kJ/m ²	
-22°F	4	kJ/m ²	
Thermal properties	Value	Unit	Test Standard
Melting temperature, 18°F/min	220	°C	ISO 11357-1/-3
Flammability	Value	Unit	Test Standard
FMVSS Class	B	-	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	<100	mm/min	ISO 3795 (FMVSS 302)
Other properties	Value	Unit	Test Standard
Density	1310	kg/m ³	ISO 1183
Injection	Value	Unit	Test Standard
Drying Recommended	yes	-	-
Drying Temperature	100	°C	-
Drying Time, Dehumidified Dryer	2 - 3	h	-
Processing Moisture Content	≤0.08	%	-
Melt Temperature Optimum	240	°C	-
Min. melt temperature	235	°C	-
Max. melt temperature	260	°C	-
Mold Temperature Optimum	50	°C	-
Min. mold temperature	40	°C	-
Max. mold temperature	60	°C	-
Extrusion	Value	Unit	Test Standard
Processing Moisture Content	≤0.08	%	-
Melt Temperature Optimum	230	°C	-

Characteristics

Processing	<ul style="list-style-type: none"> • Injection Molding • Film Extrusion • Profile Extrusion 	<ul style="list-style-type: none"> • Sheet Extrusion • Other Extrusion • Coating 	<ul style="list-style-type: none"> • Casting
Delivery form	<ul style="list-style-type: none"> • Pellets 		
Regional Availability	<ul style="list-style-type: none"> • Asia Pacific 		

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc. ISO Mechanical properties measured at 160 mil (Hytrel® measured at 80 mil), IEC Electrical properties measured at 80 mil, all ASTM properties measured at 120 mil, and test temperatures are 73°F unless otherwise stated.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that

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