

Apec® 1895

Easy-flow grades / easy-release

MVR (330°C/2.16kg) 18 cm³/10 min; easy release; 'softening temperature (VST/B 120)=183°C; injection molding - melt temperature 330 - 340°C; Covers for brake lights and indicator lights; Recessed light fixtures/reflectors; Raised brake lights; Headlamp reflectors/bezels

ISO Shortname

cm³/10 min g/10 min % % MPa MPa % % MPa % % MPa % <t< th=""><th>ISO 1133 ISO 294-4 ISO 294-4 ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 2039-1</th><th>18 19 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 N N 2450 108 127</th></t<>	ISO 1133 ISO 294-4 ISO 294-4 ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 2039-1	18 19 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 N N 2450 108 127				
g/10 min % % MPa MPa % % kJ/m ² kJ/m ² kJ/m ² MPa MPa N/mm ²	ISO 1133 ISO 294-4 ISO 294-4 ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 2039-1	19 0.85 0.85 2450 74 6.6 >50 N N 2450 N 2450 108				
	ISO 294-4 ISO 294-4 ISO 294-4 ISO 527-1,-2 ISO 527-1,-2 ISO 527-1,-2 ISO 527-1,-2 ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 178 ISO 178 ISO 2039-1	0.85 0.85 2450 74 6.6 >50 N N 2450 108				
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% % kJ/m ² kJ/m ² MPa MPa N/mm ²	ISO 527-1,-2 ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 178 ISO 2039-1	6.6 > 50 N 2450 108				
% kJ/m² kJ/m² MPa MPa N/mm²	ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 178 ISO 2039-1	> 50 N N 2450 108				
kJ/m² kJ/m² MPa MPa N/mm²	ISO 527-1,-2 ISO 179-1eU ISO 179-1eU ISO 178 ISO 178 ISO 2039-1	N N 2450 108				
kJ/m² MPa MPa N/mm²	ISO 179-1eU ISO 178 ISO 178 ISO 2039-1	N 2450 108				
MPa MPa N/mm ²	ISO 178 ISO 178 ISO 2039-1	2450 108				
MPa N/mm ²	ISO 178 ISO 2039-1	108				
N/mm² °C	ISO 2039-1					
⊃°		127				
		J				
°C	ISO 75-1,-2	158				
	ISO 75-1,-2	173				
°C	ISO 306	183				
°C	UL 746B	150				
°C	UL 746B	130				
°C	UL 746B	150				
10 ⁻⁴ /K	ISO 11359-1,-2	0.65				
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Class	UL 94	HB				
%	ISO 4589-2	26				
°C	IEC 60695-2-12	850				
Electrical properties (23 °C/50 % r. h.)						
-	IEC 60250	2.9				
-	IEC 60250	2.8				
10 ⁻⁴	IEC 60250	10				
10-4	IEC 60250	80				
Ohm-m	IEC 60093	1E15				
Ohm	IEC 60093	1E16				
kV/mm	IEC 60243-1	35				
Rating	IEC 60112	250				
Rating	IEC 60112	100				
Rating	IEC 60426	A1				
-	<u>.</u>					
%	ISO 62	0.3				
%	ISO 62	0.12				
kg/m³	ISO 1183-1	1150				
-	ISO 489	1.573				
%	ISO 13468-2	89				
	Class % °C °C 10 ⁻⁴ 10 ⁻⁴ Ohm-m Ohm KV/mm Rating Rating Rating %	Class UL 94 % ISO 4589-2 °C IEC 60695-2-12 °C IEC 60250 - IEC 60250 10 ⁻⁴ IEC 60250 10 ⁻⁴ IEC 60250 0hm-m IEC 60093 0hm IEC 60093 0hm IEC 60112 Rating IEC 60112 Rating IEC 60426 % ISO 62 % ISO 62 % ISO 62 % ISO 61183-1				





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	Property	Test Condition	Unit	Standard	typical Value				
Pr	Processing conditions for test specimens								
С	Injection molding-Melt temperature		°C	ISO 294	330				
С	Injection molding-Mold temperature		°C	ISO 294	100				
С	Injection molding-Injection velocity		mm/s	ISO 294	200				

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

Impact properties: N = non-break, P = partial break, C = complete break





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Disclaimer

Typical value

These values are typical values only. Unless explicitly agreed in written form, the do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

General

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessrally been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent. With respect to health, safety and environment precautions, the relevant Material Safety Data Sheets (MSDS) and product labels must be observed prior to working with our products.

Disclaimer Non Medical Grade

This product is not designated for the manufacture of a medical device or of intermediate products for medical devices (1). [This product is also not designated for Food Contact (2), including drinking water, or cosmetic applications. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, for Food Contact products or cosmetic applications Covestro must be contacted in advance to provide its agreement to sell such product for such purpose.] Nonetheless, any determination as to whether a product is of provential devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Covestro. 1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document. 2) As defined in Commission Regulation (EU) 1935/2004.

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