

Covestro Bayblend® 2773 Polycarbonate + ABS Blend, Automotive (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Information provided by Bayer Corporation, Plastics DivisionAs of 1 September 2015, Bayer MaterialScience was separated from Bayer AG and has officially adopted its new name – Covestro. This product was discontinued prior to the separation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Bayblend-2773-Polycarbonate-ABS-Blend-Automotive-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955
Spiral Flow	51.0 cm @Thickness 2.50 mm	20.1 in @Thickness 0.0984 in	at 254°C melt temp.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D638
Elongation at Break	82 %	82 %	ASTM D638
Tensile Modulus	2.60 GPa	377 ksi	ASTM D638
Flexural Yield Strength	92.0 MPa	13300 psi	ASTM D790
Flexural Modulus	2.34 GPa	339 ksi	ASTM D790
Izod Impact, Notched	4.20 J/cm @Temperature -40.0 °C	7.87 ft-lb/in @Temperature -40.0 °F	ASTM D256
	7.50 J/cm @Thickness 3.17 mm	14.1 ft-lb/in @Thickness 0.125 in	ASTM D256
Impact Test	43.0 J	31.7 ft-lb	Instrumented Impact, Total Energy; 2.5 mm thick, 7.6 mph, 3 in. clamp, 0.5 in. dart; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	128 °C @Thickness 3.20 mm	262 °F @Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa	112 °C	234 °F	

Thermal Properties	Metric @ Thickness 3.17 mm	English @ Thickness 0.125 in	ASTM D648 Comments
Vicat Softening Point	127 °C	261 °F	Rate B; ISO 306
UL RTI, Electrical	85.0 °C @Thickness 1.57 mm	185 °F @Thickness 0.0618 in	
UL RTI, Mechanical with Impact	85.0 °C @Thickness 1.57 mm	185 °F @Thickness 0.0618 in	
UL RTI, Mechanical without Impact	85.0 °C @Thickness 1.57 mm	185 °F @Thickness 0.0618 in	
Flammability, UL94	HB @Thickness 1.67 mm	HB @Thickness 0.0657 in	
	HB @Thickness 1.67 mm	HB @Thickness 0.0657 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	IEC 112

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