

Covestro Bayblend® 2253 Polycarbonate + ABS Blend, Extrusion (discontinued **)

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

Material Notes:

Properties tested in transverse direction (worst case) on 125-mil (3.2 mm) extruded sheets specimens with

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Bayblend-2253-Polycarbonate-ABS-Blend-Extrusion-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	46.0 MPa	6670 psi	ASTM D638
Flexural Yield Strength	84.0 MPa	12200 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	2.10 J/cm	3.93 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	5.30 J/cm	9.93 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Impact Test	45.0 J	33.2 ft-lb	Instrumented Impact, Total Energy; 3.2 mm thick, 7.6 mph, 1.5 in. clamp, 0.5 in. dart; ASTM D3763
	@Thickness 3.20 mm	@Thickness 0.126 in	

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C	38.9 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	ASTM D648
	@Thickness 3.17 mm	@Thickness 0.125 in	
Vicat Softening Point	110 °C	230 °F	Rate B; ISO 306
UL RTI, Electrical	85.0 °C	185 °F	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
UL RTI, Mechanical with Impact	85.0 °C	185 °F	
	@Thickness 1.57 mm	@Thickness 0.0618 in	

Thermal Properties	Metric	English	Comments
UL RTI, Mechanical without Impact	85.0 °C @Thickness 1.57 mm	199 °F @Thickness 0.0618 in	
Flammability, UL94	HB @Thickness 1.57 mm	HB @Thickness 0.0618 in	
	HB @Thickness 1.57 mm	HB @Thickness 0.0618 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	175 V	175 V	IEC 112

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