

Covestro Bayblend® 2953 Polycarbonate + ABS Blend, Automotive Plating

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 officially adopted its new name – Covestro.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Bayblend-2953-Polycarbonate-ABS-Blend-Automotive-Plating.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955
Spiral Flow	58.0 cm @Thickness 2.50 mm	22.8 in @Thickness 0.0984 in	at 254°C melt temp.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Tensile Modulus	2.30 GPa	334 ksi	ASTM D638
Flexural Yield Strength	73.0 MPa	10600 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	7.50 J/cm @Thickness 3.17 mm	14.1 ft-lb/in @Thickness 0.125 in	ASTM D256
Impact Test	52.0 J	38.4 ft-lb	Instrumented Impact, Total Energy; 3.2 mm thick, 7.6 mph, 1.5 in. clamp, 0.5 in. dart; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	77.0 µm/m-°C @Temperature 20.0 °C	42.8 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C @Thickness 3.17 mm	205 °F @Thickness 0.125 in	ASTM D648
Vicat Softening Point	108 °C	226 °F	Rate B; ISO 306

Thermal Properties	60.0 °C Metric	140 °F English	Comments
	@Thickness 1.57 mm	@Thickness 0.0618 in	
UL RTI, Mechanical with Impact	60.0 °C	140 °F	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
UL RTI, Mechanical without Impact	60.0 °C	140 °F	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
Flammability, UL94	HB	HB	
	@Thickness 1.47 mm	@Thickness 0.0579 in	
	HB	HB	
	@Thickness 1.47 mm	@Thickness 0.0579 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China