Covestro Bayblend® R-FR 390 Polycarbonate/ABS Blend (discontinued **)

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

Material Notes:

FR-recycled grades with variable recycled content.Applications: Housings for office equipment, electrical engineering, computer sectors.Information provided by Bayer.As 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-R-FR-390-PolycarbonateABS-Blend-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in³	
Water Absorption	0.70 %	0.70 %	Saturation in water
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Equilibrium at 50% RH
Water Absorption at Saturation	0.70 %	0.70 %	
Melt Flow	21 g/10 min @Load 5.00 kg, Temperature 240 °C	21 g/10 min @Load 11.0 lb, Temperature 464 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	
Elongation at Break	40 %	40 %	Nominal
Elongation at Yield	3.0 %	3.0 %	
Tensile Modulus	2.60 GPa	377 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	75.0 µm/m-°C @Temperature 20.0 °C	41.7 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	
Vicat Softening Point	84.0 °C	183 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	34 %	34 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	
Dielectric Constant	2.9	2.9	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.0	3.0	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Dissipation Factor	0.0050	0.0050	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0070	0.0070	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	300 V	300 V	

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