

Covestro Bayblend® FR 86 Polycarbonate/ABS Blend

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

Material Notes:

Easy-flowing FR grade. Flame retardant grade with antimony, chlorine and bromine free, flame retardant package. Information provided by Bayer. As 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-FR-86-PolycarbonateABS-Blend.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
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	50 g/10 min @Load 5.00 kg, Temperature 240 °C	50 g/10 min @Load 11.0 lb, Temperature 464 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	
Elongation at Yield	3.5 %	3.5 %	
Tensile Modulus	2.60 GPa	377 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	76.0 µm/m-°C	42.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	82.0 °C	180 °F	
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	
Vicat Softening Point	84.0 °C	183 °F	
UL RTI, Electrical	60.0 °C	140 °F	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	60.0 °C Metric	140 °F English	Comments
UL RTI, Mechanical with Impact	@Thickness 1.50 mm	@Thickness 0.0591 in	
UL RTI, Mechanical without Impact	60.0 °C	140 °F	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	30 %	30 %	

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