

Covestro Makroblend® EL-700 Polycarbonate + Polyester Blend

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polyester, TP

Material Notes:

Key Features: Flame retarding agent Unfilled High impact or high impact modified Light stabilized or stable to light Suitable processing methods: Injection molding Information provided by Bayer Polymers. As of 1 September 2015, Bayer Material Science 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-Makroblend-EL-700-Polycarbonate-Polyester-Blend.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	
Water Absorption	0.28 %	0.28 %	
Moisture Absorption at Equilibrium	0.090 %	0.090 %	23°C/50% R.H.
Melt Flow	14 g/10 min @Load 5.00 kg, Temperature 265 °C	14 g/10 min @Load 11.0 lb, Temperature 509 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.30 GPa	334 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	67.0 µm/m-°C	37.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	67.0 µm/m-°C	37.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	124 °C	255 °F	
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	
Flammability, UL94	V-0	V-0	UL Recognized
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	V-g Metric	V-g English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	
	5VA	5VA	UL Recognized
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	
Dielectric Constant	3.08	3.08	
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.08	3.08	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	29.0 kV/mm	737 kV/in	
Dissipation Factor	0.00090	0.00090	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0080	0.0080	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	270 °C	518 °F	Injection Molding
Mold Temperature	65.0 °C	149 °F	Injection Molding
Injection Pressure	60.0 MPa	8700 psi	

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