

Techmer ES Plastiblend® PC/ABS FR 6206

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

Material Notes:

Availability: North America Forms: Pellets Features: Flame Retardant Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PCABS-FR-6206.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.10 %	0.10 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 260 °C	@Load 4.76 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	56.5 MPa	8200 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Yield Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -28.9 °C	@Thickness 0.125 in, Temperature -20.0 °F	
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 °C	@Thickness 0.125 in, Temperature 73.0 °F	
Dart Drop, Total Energy	53.1 J	39.2 ft-lb	ASTM D3763
	@Temperature -28.9 °C	@Temperature -20.0 °F	
Dart Drop, Total Energy	58.7 J	43.3 ft-lb	ASTM D3763
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Mechanical Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	40.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	73.9 $\text{Å}^\circ\text{C}$	165 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0590 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+18 ohm-cm	1.00e+18 ohm-cm	ASTM D257
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257

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