

Techmer ES Plastiblend® PC/PET IM 1016 UV

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Availability: North America Forms: Pellets Additive: Impact Modifier and UV Stabilizer Features: Impact Modified Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PCPET-IM-1016-UV.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Water Absorption	0.17 %	0.17 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 265 Â°C	@Load 11.0 lb, Temperature 509 Â°F	
	28 g/10 min	28 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 285 Â°C	@Load 4.76 lb, Temperature 545 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	53.8 MPa	7800 psi	ASTM D638
Elongation at Break	120 %	120 %	ASTM D638
Flexural Yield Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 Â°C	@Thickness 0.125 in, Temperature -40.0 Â°F	
	8.54 J/cm	16.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 Â°C	@Thickness 0.125 in, Temperature 73.0 Â°F	
Dart Drop, Total Energy	5.14 J	3.79 ft-lb	ASTM D3763
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	
	5.31 J	3.92 ft-lb	

Mechanical Properties	Metric	English	Comments
	@ Temperature 22.8 Â°C	@ Temperature 73.0 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 Âµm/m-Â°C	35.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	116 Â°C	240 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+15 ohm-cm	7.00e+15 ohm-cm	ASTM D257
Dielectric Strength	27.6 kV/mm	700 kV/in	Method A (Short-Time); ASTM D149

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