

Samsung Cheil Industries Starex[®] EG-7000 ABS/PET, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-EG-7000-ABSPET-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.20 mm	0.0040 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	35 g/10 min @Load 10.0 kg, Temperature 250 Â°C	35 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	38.2 MPa	5550 psi	50 mm/min; ASTM D638
Elongation at Break	40 %	40 %	50 mm/min; ASTM D638
Flexural Strength	55.9 MPa	8110 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	2.06 J/cm @Thickness 3.17 mm	3.86 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Â°C @Thickness 6.40 mm	172 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	88.0 Â°C	190 Â°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

Optical Properties	Metric	English	Comments
	20 %	20 %	

Yellow Index	Metric	English	ASTM D1925
Optical Properties	@ Thickness 3.20 mm	@ Thickness 0.126 in	Comments

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