

Samsung Cheil Industries Starex^Â® GC-0770 H ABS/PET, Unreinforced Recycled

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

Material Notes:

Eco-friendly Post-Consumer recycled PET. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-GC-0770-H-ABSPET-Unreinforced-Recycled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength at Break	26.5 MPa	3840 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	41.2 MPa	5970 psi	50 mm/min; ASTM D638
Elongation at Break	17 %	17 %	50 mm/min; ASTM D638
Tensile Modulus	1.77 GPa	256 ksi	50 mm/min; ASTM D638
Flexural Strength	49.0 MPa	7110 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.72 GPa	249 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.96 J/cm @Thickness 6.35 mm	3.67 ft-lb/in @Thickness 0.250 in	ASTM D256
	4.41 J/cm @Thickness 3.17 mm	8.27 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 Â°C @Thickness 6.40 mm	203 Â°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	83.0 Â°C @Thickness 6.40 mm	181 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	90.0 Â°C	194 Â°F	B/50; ISO R306
	94.0 Â°C	201 Â°F	B/120; ISO R306

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