

Samsung Cheil Industries Starex® TX-0520T TRABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, Molded

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-TX-0520T-TRABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Melt Flow	15 g/10 min @Load 10.0 kg, Temperature 220 Â°C	15 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Yield	43.1 MPa	6260 psi	5 mm/min; ASTM D638
Flexural Strength	58.8 MPa	8530 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.47 J/cm @Thickness 3.17 mm	2.76 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 Â°C	189 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
Haze	3.0 % @Thickness 3.20 mm	3.0 % @Thickness 0.126 in	ASTM D1003
Transmission, Visible	88 % @Thickness 3.20 mm	88 % @Thickness 0.126 in	ASTM D1003

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