

Samsung Cheil Industries Starex® WX-9700 ASA, Unreinforced Extrusion Grade

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, 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-WX-9700-ASA-Unreinforced-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm @Thickness 3.20 mm	0.0070 - 0.0090 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0078 cm/cm @Thickness 3.20 mm	0.0078 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	9.0 g/10 min @Load 10.0 kg, Temperature 220 °C	9.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength at Break	40.2 MPa	5830 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	42.2 MPa	6120 psi	5 mm/min; ASTM D638
Elongation at Break	75 %	75 %	5 mm/min; ASTM D638
Tensile Modulus	1.92 GPa	279 ksi	5 mm/min; ASTM D638
Flexural Strength	60.8 MPa	8820 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.981 J/cm @Thickness 6.35 mm	1.84 ft-lb/in @Thickness 0.250 in	ASTM D256
	4.90 J/cm @Thickness 3.17 mm	9.18 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
	77.0 °C	171 °F	

Deflection Temperature at 1.8 MPa (180 psi) Thermal Properties	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	ASTM D648 Comments
Vicat Softening Point	96.0 Â°C	205 Â°F	B/50; ISO R306

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