

Samsung Cheil Industries Starex® GA-4025 ABS, 25% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 30% Glass Fiber Filled

Material Notes:

Permanent static prevention material with 25% GF reinforcement that can be used in OA device and tray
Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-GA-4025-ABS-25-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	7.4 g/10 min @Load 10.0 kg, Temperature 220 Â°C	7.4 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238
Ash	25 %	25 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	68.6 MPa	9950 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	68.6 MPa	9960 psi	5 mm/min; ASTM D638
Elongation at Break	2.1 %	2.1 %	5 mm/min; ASTM D638
Tensile Modulus	5.49 GPa	797 ksi	5 mm/min; ASTM D638
Flexural Strength	88.3 MPa	12800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.59 GPa	811 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.402 J/cm @Thickness 6.35 mm	0.753 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.471 J/cm @Thickness 3.17 mm	0.882 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 Â°C @Thickness 6.40 mm	226 Â°F @Thickness 0.252 in	ASTM D648
	102 Â°C	216 Â°F	

Thermal Properties Deflection Temperature at 1.8 MPa (180 psi)	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	ASTM D648 Comments
Vicat Softening Point	104 Â°C	219 Â°F	B/50; ISO R306
	106 Â°C	223 Â°F	B/120; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 1.60 mm	HB @Thickness 0.0591 - 0.0630 in	

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