

Samsung Cheil Industries Infino® ASF-9810F PBT/PET, Mineral Filled General Purpose

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET, Mineral Filled , Polyethylene Terephthalate (PET)

Material Notes:

Material for automobile lamp with high flow Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-ASF-9810F-PBTPET-Mineral-Filled-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Melt Flow	55 g/10 min @Load 2.16 kg, Temperature 250 Å°C	55 g/10 min @Load 4.76 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	60.8 MPa	8820 psi	50 mm/min; ASTM D638
Flexural Strength	83.4 MPa	12100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.294 J/cm @Thickness 3.17 mm	0.551 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	180 Å°C	356 Å°F	B/50; ISO R306

Optical Properties	Metric	English	Comments
Gloss	>= 92 % @Temperature 23.0 Å°C	>= 92 % @Temperature 73.4 Å°F	50% RH, 60Å°; ASTM D2457

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