

KKPC Kuhmo GP 125EI General Purpose GPPS

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

Key features: For phonograph, good profile properties. Common Uses: CD-CASE, THIN-WALLGPPS has excellent transparency, colorability, electric property, water-resistance, harmlessness, molding processability, and stability of dimension. Data provided by Korea Kumho Petrochemical Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KKPC-Kuhmo-GP-125EI-General-Purpose-GPPS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Water Absorption	0.030 %	0.030 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Flow	9.5 g/10 min	9.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	74	74	ASTM D785
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	66.38 MPa	9628 psi	ASTM D790
Flexural Modulus	2.9078 GPa	421.74 ksi	ASTM D790
Izod Impact, Notched	0.149 J/cm @Thickness 3.20 mm	0.280 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.0 Å°C	180 Å°F	unannealed; ASTM D648
Vicat Softening Point	99.0 Å°C	210 Å°F	ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 2.20 mm	@Thickness 0.0866 in	
	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	

Thermal Properties	Metric @ Thickness 3.20 mm	English @ Thickness 0.126 in	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	21.7 kV/mm	550 kV/in	ASTM D149

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