

## KKPC Kuhmo GP 125 General Purpose GPPS

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

### Material Notes:

Key features: Good-fluidity, general purpose. Common Uses: Common kitchenware, toys, general merchandise, cosmetic containers, dust covers. GPPS has excellent transparence, 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-125-General-Purpose-GPPS.php](http://www.lookpolymers.com/polymer_KKPC-Kuhmo-GP-125-General-Purpose-GPPS.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	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	9.0 g/10 min	9.0 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	2.8588 GPa	414.64 ksi	ASTM D790
Izod Impact, Notched	0.246 J/cm @Thickness 3.20 mm	0.460 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	unannealed; ASTM D648
Vicat Softening Point	99.0 °C	210 °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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China