

LG Chemical 501S-S HIPS

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Self lubricant, Balanced mechanical properties, Good surface appearance with high gloss, Conforming to FDA CFR 177.1640, Excellent processability, Applications include refrigerator food holders, parts of radios and televisions, plastic toys, and yogurt receptacles

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-501S-S-HIPS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	6.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength, Yield	27.5 MPa	3990 psi	50 mm/min; ASTM D638
Elongation at Break	70 %	70 %	50 mm/min; ASTM D638
Flexural Yield Strength	46.2 MPa	6700 psi	15 mm/min; ASTM D790
Flexural Modulus	2.20 GPa	319 ksi	15 mm/min; ASTM D790
Izod Impact, Notched	0.780 J/cm @Thickness 6.35 mm	1.46 ft-lb/in @Thickness 0.250 in	ASTM D256
	1.13 J/cm @Thickness 3.17 mm	2.12 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 Â°C @Thickness 12.7 mm	174 Â°F @Thickness 0.500 in	Unannealed; ASTM D648
Vicat Softening Point	99.0 Â°C	210 Â°F	1000 g; ASTM D1525
Flammability, UL94	HB	HB	1/8 in
	HB	HB	1/16 in

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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