

Samsung Cheil Industries Infino® HP-0500 ABS, Unreinforced Heat Resistant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Heat Resistant, Molded

Material Notes:

ABS material that can mainly be used for the exterior material of household appliances etc. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-HP-0500-ABS-Unreinforced-Heat-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Â°C	@Load 22.0 lb, Temperature 428 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength at Break	19.6 MPa	2840 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	51.0 MPa	7400 psi	5 mm/min; ASTM D638
Elongation at Break	39 %	39 %	5 mm/min; ASTM D638
Tensile Modulus	2.55 GPa	370 ksi	5 mm/min; ASTM D638
Flexural Strength	79.4 MPa	11500 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.27 J/cm	2.39 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.27 J/cm	2.39 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 Â°C	210 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	91.0 Â°C	196 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	103 Â°C	217 Â°F	B/50; ISO R306

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	CP-120, MS-A306
	@Thickness 1.50 mm	@Thickness 0.0591 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