

Samsung Cheil Industries Infino® EF-1032 PC/ABS, Unreinforced FR

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Extrusion resin, non-halogen flame-retardant Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-EF-1032-PCABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Â°C	@Load 22.0 lb, Temperature 482 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength at Break	68.6 MPa	9950 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	61.8 MPa	8960 psi	5 mm/min; ASTM D638
Elongation at Break	120 %	120 %	5 mm/min; ASTM D638
Tensile Modulus	2.26 GPa	327 ksi	5 mm/min; ASTM D638
Flexural Strength	88.3 MPa	12800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	4.22 J/cm	7.90 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	8.34 J/cm	15.6 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)	103 Â°C	217 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Thermal Properties Vicat Softening Point	Metric 107 Â°C	English 225 Â°F	Comments B/50; ISO R306
	110 Â°C	230 Â°F	B/120; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @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