

Samsung Cheil Industries Infino® AE-2030 PC/PET, General Purpose

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

PC/PET material used for automobile radiator grills and door handles
Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-AE-2030-PCPET-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Melt Flow	32.4 g/10 min	32.4 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 °C	@Load 22.0 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	55.9 MPa	8110 psi	50 mm/min; ASTM D638
Flexural Strength	76.5 MPa	11100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	7.06 J/cm	13.2 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 °C	225 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	131 °C	268 °F	B/50; ISO R306

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