

Iran Petrochemical (PCC) PC 3038 Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Suitable for molding and film extrusion Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-PC-3038-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D792
Melt Flow	30.1 - 38 g/10 min	30.1 - 38 g/10 min	ASTM D1238
	@Load 1.20 kg, Temperature 300 Â°C	@Load 2.65 lb, Temperature 572 Â°F	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	>= 103 MPa	>= 14900 psi	DIN 53456
Tensile Stress	55.0 - 70.0 MPa	7980 - 10200 psi	ASTM D638
Tensile Strength, Yield	>= 60.0 MPa	>= 8700 psi	ASTM D638
Elongation at Break	>= 50 %	>= 50 %	ASTM D638
Modulus of Elasticity	2.20 - 2.40 GPa	319 - 348 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	140 - 150 Â°C	284 - 302 Â°F	50 N, 50Â°C/h; ASTM D1525

Optical Properties	Metric	English	Comments
Transmission, Visible	>= 80 %	>= 80 %	ASTM D1003
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.8 - 3.1	2.8 - 3.1	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	>= 20.0 kV/mm	>= 508 kV/in	ASTM D149
	@Frequency 50.0 Hz	@Frequency 50.0 Hz	
	0.00080 - 0.0010	0.00080 - 0.0010	

Dielectric Loss Index Electrical Properties	@Frequency 5.00e+7 Metric Hz	@Frequency 5.00e+7 English Hz	ASTM D150 Comments
	0.0080 - 0.011	0.0080 - 0.011	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	ASTM D150

Descriptive Properties	Value	Comments
Solvent Content, ppm	< 500	GC

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