

SABIC Innovative Plastics Lexan® PPC4701 PPC (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphthalate Carbonate

Material Notes:

This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-PPC4701-PPC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D 792
Water Absorption	0.19 %	0.19 %	ASTM D 570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	126	126	ASTM D 785
Tensile Strength, Yield	67.0 MPa	9720 psi	SABIC - Japan Method
Elongation at Break	200 %	200 %	SABIC - Japan Method
Flexural Strength	95.0 MPa	13800 psi	ASTM D 790
Flexural Modulus	2.25 GPa	326 ksi	ASTM D 790
Izod Impact, Notched	4.80 J/cm	8.99 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	161 °C	322 °F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D 257
Dielectric Constant	3.3	3.3	ASTM D 150
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	

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