

Polymer Resources PC/ABS-FR1-[color]-3 PC Blend, Flame Retardant, Standard Flow, UV Stabilized

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Thermoplastic Polyurethane Blend , Polyurethane, TP

Material Notes:

Process: Injection Molding Notes: All physical, mechanical and thermal testing conducted on 1/8-inch thick, un-pigmented, test samples.

Information provided by Polymer Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymer-Resources-PCABS-FR1-color-3-PC-Blend-Flame-Retardant-Standard-Flow-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	25 - 45 g/10 min	25 - 45 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.2 MPa	8000 psi	ASTM D638
Tensile Strength, Yield	53.8 MPa	7800 psi	ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	ASTM D256
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C	165 °F	ASTM D648
Flammability, UL94	V-0	V-0	1/16 in
	5VA	5VA	1/8 in.

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	221 - 254 °C	430 - 490 °F	
Middle Barrel Temperature	232 - 266 °C	450 - 510 °F	

Front Barrel Temperature Processing Properties	243 - 277 °C Metric	470 - 530 °F English	Comments
Melt Temperature	246 - 274 °C	475 - 525 °F	
Mold Temperature	48.9 - 82.2 °C	120 - 180 °F	
Drying Temperature	76.7 - 82.2 °C	170 - 180 °F	
Dry Time	3 - 4 hour	3 - 4 hour	

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