

## Oxford Polymers PC/ABS 604i-FR PC/ABS, Flame retardant

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced

### Material Notes:

Product Description: Amorphous, Polycarbonate & ABS, Flame retardant, Injection Molding Grade, VO rated @ 3.0mm. V2 rated @ 1.5mm

Processing and Delivery Form: Pellets and Injection Molding Additives: Impact modifiers, Flame retardants Special Characteristics: VO rated to 3.0mm, V2 rated to 1.5mm. and Available in all colors Information provided by Oxford Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Oxford-Polymers-PCABS-604i-FR-PCABS-Flame-retardant.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-PCABS-604i-FR-PCABS-Flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.350 %	0.350 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00500 - 0.00700 cm/cm @Thickness 3.17 mm	0.00500 - 0.00700 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.5 MPa	8200 psi	ASTM D638
Elongation at Break	50.0 %	50.0 %	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.93 GPa	425 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm @Thickness 3.17 mm	10.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.3 °C	200 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	249 - 288 °C	480 - 550 °F	
Middle Barrel Temperature	254 - 293 °C	490 - 560 °F	
Front Barrel Temperature	260 - 302 °C	500 - 575 °F	
Nozzle Temperature	274 - 302 °C	525 - 575 °F	
Melt Temperature	274 - 302 °C	525 - 575 °F	

Processing Properties	Metric 18.9 °C	English 10 °F	Comments
Drying Temperature	93.3 - 110 °C	200 - 230 °F	
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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