

## Shuman 980-05V0 Grey Polycarbonate Glass Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Foam Grade, Glass Filled

**Material Notes:**

Easy processability, heat resistance, weatherability, color stability, self extinguishing 5% glass fiber for foam molding  
Information provided by Shuman Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shuman-980-05V0-Grey-Polycarbonate-Glass-Filled.php](http://www.lookpolymers.com/polymer_Shuman-980-05V0-Grey-Polycarbonate-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ASTM D792
Melt Flow	15 - 25 g/10 min	15 - 25 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	70	70	ASTM D785
Tensile Strength	65.5 MPa	9500 psi	ASTM D638
Izod Impact, Notched	6.41 J/cm @Thickness 3.17 mm	12.0 ft-lb/in @Thickness 0.125 in	unfilled; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	138 Â°C	280 Â°F	ASTM D648
Vicat Softening Point	154 Â°C	310 Â°F	ASTM D1525
Flammability, UL94	V-0 @Thickness 1.57 mm	V-0 @Thickness 0.0618 in	

Processing Properties	Metric	English	Comments
Processing Temperature	266 - 288 Â°C	510 - 550 Â°F	
Drying Temperature	121 - 127 Â°C @Time 7200 - 86400 sec	250 - 260 Â°F @Time 2.00 - 24.0 hour	Dehumidifying Dryer
	121 - 127 Â°C @Time 14400 - 86400 sec	250 - 260 Â°F @Time 4.00 - 24.0 hour	Tray Dryer

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