

Shuman 920 Black Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

Material Notes:

Good impact strength, easy processability, good surface gloss, good heat resistance, excellent weatherability, excellent color stability, self extinguishing
Information provided by Shuman Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shuman-920-Black-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	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	12.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	128 Â°C	262 Â°F	ASTM D648
Vicat Softening Point	154 Â°C	310 Â°F	ASTM D1525
Flammability, UL94	V-2 @Thickness 1.57 mm	V-2 @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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