

Styron Magnum[®],ç 375 HP Acrylonitrile Butadiene Styrene (ABS)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

High Heat, Low Gloss ABS. Information provided by Dow This product line was spun off from Dow Chemical to Styron in 2010.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-Magnum-375-HP-Acrylonitrile-Butadiene-Styrene-ABS.php

Physical Properties	Metric	English	Comments
Density	1.062 g/cc	0.03837 lb/in ³	ISO 1183
Melt Flow	2.4 g/10 min @Load 3.80 kg, Temperature 230 °C	2.4 g/10 min @Load 8.38 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.8 MPa	6350 psi	50mm/min; ISO 527
Elongation at Break	5.0 %	5.0 %	50mm/min; ISO 527
Flexural Modulus	2.235 GPa	324.2 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	0.890 kJ/m ² @Temperature -30.0 °C	0.424 ft-lb/in ² @Temperature -22.0 °F	ISO 180/4A
	1.28 kJ/m ² @Temperature 23.0 °C	0.609 ft-lb/in ² @Temperature 73.4 °F	ISO 180/4A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	unannealed; ISO 75-A
Deflection Temperature at 1.8 MPa (264 psi)	84.0 °C	183 °F	unannealed; ISO 75-A

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