

## Styron Magnum™ 9100 MFD ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

**Material Notes:**

Data provided by Dow Chemical. 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-9100-MFD-ABS.php](http://www.lookpolymers.com/polymer_Styron-Magnum-9100-MFD-ABS.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM Data
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	
Melt Flow	22 g/10 min @Load 3.80 kg, Temperature 230 °C	22 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	35.9 MPa	5210 psi	ASTM Data
Tensile Strength, Yield	46.9 MPa	6800 psi	ASTM Data
Elongation at Break	20 %	20 %	ASTM Data
Tensile Modulus	2.41 GPa	350 ksi	ASTM Data
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM Data
Impact Test	20.9 J @Temperature 23.0 °C	15.4 ft-lb @Temperature 73.4 °F	Instrumented Dart Total Energy

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.8 °C	199 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	79.4 °C	175 °F	Unannealed; ASTM Data
Vicat Softening Point	107 °C	225 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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