

## Styron Magnum,ç 1250 BG Acrylonitrile Butadiene Styrene (ABS)

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

High Impact, High Heat, Blow Molding 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-1250-BG-Acrylonitrile-Butadiene-Styrene-ABS.php](http://www.lookpolymers.com/polymer_Styron-Magnum-1250-BG-Acrylonitrile-Butadiene-Styrene-ABS.php)

Physical Properties	Metric	English	Comments
Density	1.046 g/cc	0.03779 lb/in <sup>3</sup>	ASTM D792B
Melt Flow	1.7 g/10 min @Load 3.80 kg, Temperature 230 Å°C	1.7 g/10 min @Load 8.38 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.6 MPa	4870 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Modulus	2.01 GPa	292 ksi	ASTM D790A
Izod Impact, Notched	3.58 J/cm	6.70 ft-lb/in	ASTM D256A
	1.87 J/cm @Temperature -30.0 Å°C	3.50 ft-lb/in @Temperature -22.0 Å°F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 Å°C	217 Å°F	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	86.7 Å°C	188 Å°F	unannealed; ASTM D648

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