

MAGNUM™ 1250 BG

ABS Resin

Overview

High Impact, High Heat, Blow Molding ABS

Automotive Specifications

- CHRYSLER MS-DB-300 CPN4262
- GM GMW15572P-ABS-T8

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm ³	1.05 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			
230°C/3.8 kg	1.7 g/10 min	1.7 g/10 min	ASTM D1238
220°C/10.0 kg	1.7 g/10 min	1.7 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			
Yield	4870 psi	33.6 MPa	ASTM D638
Yield	4890 psi	33.7 MPa	ISO 527-2
Tensile Elongation (Break)	60 %	60 %	ASTM D638
Flexural Modulus			
--	292000 psi	2010 MPa	ASTM D790
--	263000 psi	1810 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			
-20°F (-29°C)	3.5 ft·lb/in	190 J/m	ASTM D256
73°F (23°C)	6.7 ft·lb/in	360 J/m	ASTM D256
-22°F (-30°C)	8.1 ft·lb/in ²	17 kJ/m ²	ISO 180
73°F (23°C)	12 ft·lb/in ²	26 kJ/m ²	ISO 180
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	218 °F	103 °C	ASTM D648
66 psi (0.45 MPa), Unannealed	214 °F	101 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	188 °F	86.7 °C	ASTM D648
264 psi (1.8 MPa), Unannealed	185 °F	85.0 °C	ISO 75-2/A

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.



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