TRINSEO™

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/cm³	1.05	g/cm³	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/in²	17	kJ/m²	ISO 180
73°F (23°C)	12	ft·lb/in²	26	kJ/m²	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