

**MAGNUM™ 1250 BG**

ABS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	1.7	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	1.7	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
<b>Mechanical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Yield stress	33.7	MPa	ISO 527
Flexural modulus, 23°C	1810	MPa	ISO 178
Izod notched impact strength, +23°C	26	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	17	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
<b>ASTM Data</b>			
Tensile Strength at Yield	33.6	MPa	ASTM D 638
Elongation at Break	60	%	ASTM D 638
Flexural Modulus	2013	MPa	ASTM D 790
Izod Impact notched, 1/8 in	358	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	187	J/m	ASTM D 256
Temperature	-28.9	°C	-
<b>Thermal properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	85	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	101	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	103	°C	ASTM D 648
DTUL @ 264 psi	86.7	°C	ASTM D 648
<b>Other properties</b>			
Value	Unit	Test Standard	
Density	1050	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Blow Molding

**Regional Availability**

North America

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat