

**MAGNUM™ 275**

ABS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>2.6</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>1830</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>37.2</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>34.5</b>	MPa	ASTM D 638
Elongation at Yield	<b>3</b>	%	ASTM D 638
Elongation at Break	<b>100</b>	%	ASTM D 638
Flexural Modulus	<b>2030</b>	MPa	ASTM D 790
Flexural Strength	<b>63.4</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>270</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>130</b>	J/m	ASTM D 256
Temperature	<b>-18</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 66 psi	<b>93.3</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>79.4</b>	°C	ASTM D 648
Vicat Temperature	<b>107</b>	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	<b>1040</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding, Other Extrusion, Thermoforming

**Regional Availability**

North America

**Certifications**

Food contact, Food approval FDA 21 CFR