

**MAGNUM™ 555**

ABS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	2.4	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2340	MPa	ASTM D 638
Tensile Strength at Yield	43.4	MPa	ASTM D 638
Tensile Strength at Break	35.2	MPa	ASTM D 638
Flexural Modulus	2550	MPa	ASTM D 790
Flexural Strength	77.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	430	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	140	J/m	ASTM D 256
Temperature	-18	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Vicat Temperature	108	°C	ASTM D 1525

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82 - 88	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	218 - 274	°C	-
Mold temperature	27 - 60	°C	-
Back pressure	0.345 - 3.45	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Certifications**

Food contact, Food approval FDA 21 CFR