

MAGNUM™ 1150 EM

ABS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.9	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1751	MPa	ASTM D 638
Tensile Strength at Yield	36.5	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	1979	MPa	ASTM D 790
Flexural Strength	58.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	534	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	336	J/m	ASTM D 256
Temperature	-28.9	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	95.4	E-6/K	ASTM D 696
DTUL @ 66 psi	96.1	°C	ASTM D 648
DTUL @ 264 psi	82.2	°C	ASTM D 648
Vicat Temperature	112	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1030	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	218 - 274	°C	-
Mold temperature	26.7 - 60	°C	-
Back pressure	1.03 - 3.45	MPa	-

Characteristics**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Thermoforming

Special Characteristics

Platable, High impact or impact modified

Applications

Automotive

Regional Availability

North America, South and Central America