

MAGNUM™ 347 EZ

ABS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2068	MPa	ASTM D 638
Tensile Strength at Yield	41.4	MPa	ASTM D 638
Elongation at Yield	2.5	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2172	MPa	ASTM D 790
Flexural Strength	65.5	MPa	ASTM D 790
Izod Impact notched, 1/8 in	133	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	85	°C	ASTM D 648
DTUL @ 264 psi	73.9	°C	ASTM D 648
Vicat Temperature	102	°C	ASTM D 1525

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	216 - 232	°C	-
Mold temperature	26.7 - 48.9	°C	-
Back pressure	0.345 - 3.45	MPa	-

Characteristics**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Thermoforming

Regional Availability

North America, South and Central America

Applications

Automotive