

Isoplast® 202EZ ETPU

Engineering Thermoplastic Polyurethane

Lubrizol Advanced Materials, Inc.

Message:

Type: Isoplast® 202EZ is an engineering thermoplastic polyurethane resin.

Feature: NSF Standard 61 Certified

General Information			
Agency Ratings	NSF 61		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	69.0	MPa	
Break	63.0	MPa	
Tensile Elongation			ASTM D638
Yield	9.0	%	
Break	90	%	
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.20 mm	160	J/m	
23°C, 3.20 mm	530	J/m	
Instrumented Dart Impact			ASTM D3763
-29°C	34.0	J	
23°C	45.0	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	127	°C	
0.45 MPa, Annealed	143	°C	
1.8 MPa, Unannealed	116	°C	
1.8 MPa, Annealed	138	°C	
Vicat Softening Temperature	144	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	125 to 135	°C	
Processing (Melt) Temp	240 to 260	°C	

Mold Temperature	95.0 to 120	°C
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