Jedamid® 190G33L NC010

Polyamide 66, Glass Filled, Natural Color

General Information

Product Description

Jedamid® 190G33L is fiberglass reinforced, polyamide 66.

General

Material Status:	• Commercial: Active	
Regional Availability:	• North America	
Filler/Reinforcement:	• Glass Fiber	• 33% by filler weight
Additive:	• Internal Lubrication	
Recycled Content:	• None	
Features:	• Strength and Stiffness	
Appearance:	• Natural Color	
Form:	• Pellets	
Processing Method:	• Injection Molding	

Properties

Physical	Typical Value, DAM	Typical Value, Conditioned	Test Method
Density/Specific Gravity	1.39 g/cm^3		ASTM D792
Molding Shrinkage – %			ASTM D955
Across Flow	0.3 %		
Flow	1.1 %		
Water Absorption, %			ISO 62
24 hr 73 °F	1.2		
Equilibrium, 73 °F. 0.0787 in 50% RH	1.8		
Mechanical			
Tensile Modulus, psi	1,600,000	1,160,000	ASTM D638
Tensile Strength, Yield, psi	29,000	20,300	ASTM D638
Tensile Elongation (Break), %	3.5	5.0	ASTM D638
Flexural Strength (Yield), psi	42,500	29,000	ASTM D790
Flexural Modulus, psi	1,380,000	870,000	ASTM D790
Impact			
Notched Izod Impact Strength, ft-lb/in			ASTM D256
-22°F (-30°C)	1.85	1.85	
73°F (23°C)	2.20	2.73	
Thermal			
Deflection Temperature Under Load, °F			
264 psi (1.8 MPa), Unannealed, 0.125 in,	486		ASTM D648
Peak Melting Temperature, °F	505		ASTM D3418

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Injection	
Drying Temperature, °F	180
Drying Time, hr	2-4
Suggested Max Moisture, %	0.134
Suggested Min Moisture, %	0.050
Processing Melt Temperature, °F	545 to 581
Melt Temperature, Optimum, °F	563
Mold Temperature, °F	158 to 248
Mold Temperature, Optimum, °F	212
Back Pressure	Minimal
Hold Pressure Time, sec/mm wall thickness	3.0
Screw Tangential Speed, in/min	<472 in/min

Mechanical properties measured at 23°C (73°F)
Contact JEDA Polymers, LLC for MSDS, general guidelines and/or additional information about ventilation, handling, purging, drying, etc.

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