Jedamid 190G13L BK2091

Polyamide 66, Glass Filled, Black Color

General Information

Product Description

Jedamid 190G13L is fiberglass reinforced, polyamide 66.

General

Material Status:	• Commercial: Active	
Regional Availability:	• North America	
Filler/Reinforcement:	• Glass Fiber	13% filler by weight
Additive:	• Internal Lubrication	
Recycled Content:	• No	
Features:	• Strength and Stiffness	
Appearance:	• Black Color	
Form:	• Pellet	
Processing Method:	• Injection Molding	

Properties

Physical	Typical Value, DAM	Typical Value, Conditioned	Test Method
Density/Specific Gravity	1.23 g/cm^3		ASTM D792
Molding Shrinkage –			ASTM D955
Flow	0.7 %		
Across Flow	1.2 %		
Mechanical			
Tensile Modulus, psi	800,000	510,000	ASTM D638
Tensile Strength (Yield), psi	17,400	10,900	ASTM D638
Tensile Elongation (Break),%	3.0	13.0	
Flexural Strength (Yield), psi	23,900	13,500	ASTM D638
Flexural Modulus, psi	700,000	425,000	ASTM D790
Impact			
Notched Izod Impact Strength, ft-lb/in			ASTM D256
-40°F (-40°C)	0.80	0.54	
73°F (23°C)	0.80	0.73	
Thermal			
Deflection Temperature Under Load			
264 psi (1.8 MPa), Unnnealed, 0.125 in	455 °F		ASTM D648
Peak Melting Temperature	505 °F		ASTM D3418

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Processing Information

Injection	
Drying Temperature, °F	180
Drying Time, hr	2-4
Suggested Max Moisture, %	<0.20
Processing Melt Temperature,, °F	545 to 581
Melt Temperature, Optimum, °F	563
Mold Temperature, °F	122 to 212 °F
Mold Temperature, Optimum, °F	176 °F
Back pressure	As low as possible
Hold Pressure Time	3.0 sec/mm
Screw Tangential Speed	<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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