

Jedamid ST150L BK2091
 Polyamide 66, Supertough, Black

General Information				
Product Description				
Jedamid ST150L BK2091 is an unreinforced, super toughened, polyamide 66.				
General				
Material Status:	• Commercial: Active			
Regional Availability:	• North America			
Filler/Reinforcement:	• None			
Additive:	• Impact Modifier			
Recycled Content:	• No			
Features:	• High Impact Resistance	• Good Melt Flow		
Uses:	• Automotive	• Agriculture	• Sporting Goods	• Fasteners
	• Zip Ties			
Appearance:	• Black Color			
Form:	• Pellet			
Processing Method:	• Injection Molding			
Properties				
Physical	Typical Value, DAM	Typical Value, Conditioned	Test Method	
Density/Specific Gravity	1.08 g/cm ³		ASTM D792	
Melt Mass-Flow Rate (MFR) 275 °C/2.16 kg	30.0 g/10 min		ASTM D1238	
Molding Shrinkage –			ASTM D955	
Flow	1.8 %			
Across Flow	1.4%			
Mechanical				
Tensile Modulus, psi	290,000	140,000	ASTM D638	
Tensile Strength, Yield, psi	7,300	6,300	ASTM D638	
Tensile Elongation (Yield), %	6.0	35.0	ASTM D638	
Tensile Elongation (Break), %	60.0	>100	ASTM D638	
Flexural Strength (Yield), psi	9,900		ASTM D790	
Flexural Modulus, psi	270,000	110,000	ASTM D790	
Impact				
Notched Izod Impact Strength, ft-lb/in			ASTM D256	
-22°F (-30°C)	4.5	4.5		
73°F (23°C)	16.0	19.3		
Thermal				
Deflection Temperature Under Load				
264 psi (1.8 MPa), Annealed, 0.125 in	160 °F		ASTM D648	
Peak Melting Temperature	505 °F		ASTM D3418	



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Injection

Drying Temperature, °F	180
Drying Time, hr	2-4
Suggested Max Moisture, %	0.20
Processing Melt Temperature, °F	536 to 572
Melt Temperature, Optimum, °F	554
Mold Temperature, °F	122 to 212 °F
Mold Temperature, Optimum, °F	176 °F
Back pressure	As low as possible
Hold Pressure Time	4.0 sec/mm
Screw Tangential Speed	<710 in/min

Mechanical properties measured at 23°C (73°F)

Contact JEDA Polymers, LLC for SDS, general guidelines and/or additional information about ventilation, handling, purging, drying, etc.

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