

TEKAMID™ TB120G15

Polyamide 6

Mando Advanced Materials Co., Ltd.

Message:

TEKAMID™ TB120G15 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Good Aesthetics

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Surface Finish		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm³	ASTM D792
Molding Shrinkage ¹			ASTM D955
Flow	0.50	%	
Across Flow	1.0	%	
Water Absorption (24 hr)	1.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	123	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	4900	MPa	ASTM D790
Flexural Strength	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	205	°C	
1.8 MPa, Unannealed	195	°C	
Peak Melting Temperature	220	°C	ASTM D2133
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			

1. 60°C Mold Temperature

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