

TEKAMID™ TB120G45

Polyamide 6

Mando Advanced Materials Co., Ltd.

Message:

TEKAMID™ TB120G45 is a Polyamide 6 (Nylon 6) product filled with 45% glass fiber. It is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage ¹			ASTM D955
Flow	0.20	%	
Across Flow	0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	191	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10800	MPa	ASTM D790
Flexural Strength	265	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	215	°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	270 to 300	°C	
Mold Temperature	90.0 to 110	°C	
NOTE			

1. 60°C Mold Temperature

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Recommended distributors for this material

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