

TEKAMID™ TB110M25

Polyamide 6

Mando Advanced Materials Co., Ltd.

Message:

TB110M25 is MF 25% reinforced Polyamide6. TB110M25 has good mechanical properties and dimension stability.

General Information			
Filler / Reinforcement	Mineral filler, 25% filler by weight		
Features	Good dimensional stability		
Uses	Electrical/Electronic Applications		
	Home appliance components		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	73.5	MPa	ASTM D638
Tensile Elongation ² (Break)	5.0	%	ASTM D638
Flexural Modulus ³	4810	MPa	ASTM D790
Flexural Strength ⁴	121	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	31	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	200	°C	ASTM D648
1.8 MPa, not annealed	130	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 100	°C
Drying Time	4.0 - 5.0	hr
Rear Temperature	235 - 255	°C
Middle Temperature	240 - 270	°C
Front Temperature	240 - 270	°C
Nozzle Temperature	250 - 280	°C
Processing (Melt) Temp	250 - 280	°C
Mold Temperature	80.0 - 100	°C

Injection instructions

Injection Speed: 40 to 70%Injection Pressure - 1st: 20 to 50%Injection Pressure - 2nd: 20 to 50%Injection Pressure - Back Pressure: 0 to 20%

NOTE

1.	5.0 mm/min
2.	5.0 mm/min
3.	3.0 mm/min
4.	3.0 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

