

TEKAMID™ TA631

Polyamide 66

Mando Advanced Materials Co., Ltd.

Message:

TA631 is GF/CF 30% reinforced Polyamide66. TA631 has good properties with 10^4 ohm surface electric resistivity.

General Information			
Filler / Reinforcement	Glass and carbon fiber reinforced materials, 30% filler by weight		
Uses	Shell		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	186	MPa	ASTM D638
Tensile Elongation ² (Break)	2.0	%	ASTM D638
Flexural Modulus ³	11800	MPa	ASTM D790
Flexural Strength ⁴	284	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	250	°C	ASTM D648
1.8 MPa, not annealed	235	°C	ASTM D648
Peak Melting Temperature	255	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	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	270 - 280	°C	
Middle Temperature	280 - 295	°C	
Front Temperature	285 - 295	°C	
Nozzle Temperature	285 - 295	°C	
Processing (Melt) Temp	285 - 295	°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



WECHAT