

GLAMIDE® TY-791GT

Polyamide 6
TOYOBO America, Inc.

Message:

GLAMIDE® TY-791GT is a Polyamide 6 (Nylon 6) product filled with 55% glass fiber. It is available in North America.
Characteristics include:
Flame Rated
Good Aesthetics

General Information				
Filler / Reinforcement		Glass Fiber,55% Filler by Weight		
Features		Aromatic		
		Pleasing Surface Appearance		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.64	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.10 to 0.20	--	%	
3.00 mm	0.20 to 0.50	--	%	
Water Absorption				ASTM D570
24 hr	0.80	--	%	
Equilibrium, 65% RH	1.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				ASTM D638
Yield, -40°C	280	250	MPa	
Yield, 23°C	230	165	MPa	
Yield, 80°C	120	105	MPa	
Tensile Elongation (Break, 23°C)	1.6	2.0	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	16500	15000	MPa	
23°C	16000	13000	MPa	
80°C	7500	5000	MPa	
Flexural Strength				ASTM D790
Yield, -40°C	355	320	MPa	
Yield, 23°C	320	280	MPa	
Yield, 80°C	180	160	MPa	

Compressive Strength (23°C)	150	--	MPa	ASTM D695
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	70	85	J/m	
23°C	140	180	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	217	--	°C	
1.8 MPa, Unannealed	217	--	°C	
CLTE - Flow	1.9E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	28	21	kV/mm	ASTM D149
Arc Resistance	100	94.0	sec	ASTM D495
Comparative Tracking Index	550	550	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	80.0 to 100		°C	
Injection Pressure	30.0 to 70.0		MPa	

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