

GLAMIDE® TY-791HT

Polyamide 6
TOYOBO America, Inc.

Message:

GLAMIDE® TY-791HT is a Polyamide 6 (Nylon 6) product filled with 60% glass\mineral. It is available in North America.

Characteristics include:

Flame Rated

Good Weather Resistance

Rigid

General Information				
Filler / Reinforcement		Glass\Mineral,60% Filler by Weight		
Features		Aromatic		
		Good Weather Resistance		
		High Rigidity		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.74	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	--	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	0.60	--	%	
Equilibrium, 65% RH	1.4	--	%	
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	220	195	MPa	
Yield, 23°C	180	134	MPa	
Yield, 80°C	97.0	77.0	MPa	
Tensile Elongation (Break, 23°C)	1.3	1.3	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	19000	18500	MPa	
23°C	18500	17800	MPa	
80°C	8800	7300	MPa	
Flexural Strength				ASTM D790
Yield, -40°C	305	280	MPa	

Yield, 23°C	250	210	MPa	
Yield, 80°C	135	112	MPa	
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	65	70	J/m	
23°C	75	85	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	220	--	°C	
1.8 MPa, Unannealed	200	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	28	21	kV/mm	ASTM D149
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	50.0 to 90.0		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