

GLAMIDE® T-808-02

Polyamide 6
TOYOBO America, Inc.

Message:

GLAMIDE®T-808-02 is a polyamide 6 (nylon 6) product. It is available in North America.
Features include:
flame retardant/rated flame
Flame Retardant

General Information				
UL YellowCard		E51743-242496		
Features		Flame retardancy		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.18	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	40	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.40 - 0.80	--	%	ASTM D955
3.00 mm	1.0 - 1.3	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	1.3	--	%	ASTM D570
Equilibrium, 65% RH	3.0	--	%	ASTM D570
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	100	90.0	MPa	ASTM D638
Yield, 23°C	75.0	40.0	MPa	ASTM D638
Yield, 80°C	32.0	20.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	15	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	5500	5100	MPa	ASTM D790
23°C	3300	1300	MPa	ASTM D790
80°C	1000	500	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	145	120	MPa	ASTM D790
Yield, 23°C	100	45.0	MPa	ASTM D790
Yield, 80°C	42.0	26.0	MPa	ASTM D790
Compressive Strength (23°C)				ASTM D695
	80.0	--	MPa	

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	30	45	J/m	ASTM D256
23°C	43	180	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	190	--	°C	ASTM D648
1.8 MPa, not annealed	84.0	--	°C	ASTM D648
CLTE - Flow	7.0E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	25	17	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	5.20	--		ASTM D150
Dissipation Factor (1 kHz)	0.080	--		ASTM D150
Arc Resistance	120	105	sec	ASTM D495
Comparative Tracking Index	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.750 mm)	V-0	--		UL 94
Additional Information				
干燥				
Comparative Tracking Index, IEC Method: >600 V				
调节后的				
Volume Resistivity, ASTM D257: 1e9 to 1e10 ohm-mComparative Tracking Index, IEC Method: >600 V				
Injection	Dry	Unit		
Processing (Melt) Temp	240 - 260		°C	
Mold Temperature	80.0		°C	
Injection Pressure	30.0 - 45.0		MPa	

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