

GLAMIDE® T-779

Polyamide 6
TOYOBO America, Inc.

Message:

GLAMIDE®T-779 is a polyamide 6 (nylon 6) product, which contains a 37% mineral filler. It is available in North America.
Features include:
flame retardant/rated flame
Impact resistance

General Information				
Filler / Reinforcement		Mineral filler, 37% filler by weight		
Features		Impact resistance, high Electroplateable		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.43	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.30 - 0.50	--	%	ASTM D955
3.00 mm	0.80 - 1.3	--	%	ASTM D955
Water Absorption (24 hr)	0.70	--	%	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	80.0	75.0	MPa	ASTM D638
Yield, 23°C	65.0	35.0	MPa	ASTM D638
Yield, 80°C	31.0	25.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	16	35	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	5900	5100	MPa	ASTM D790
23°C	4000	1500	MPa	ASTM D790
80°C	1100	700	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	140	132	MPa	ASTM D790
Yield, 23°C	110	62.0	MPa	ASTM D790
Yield, 80°C	48.0	32.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256

-40°C	60	82	J/m	ASTM D256
23°C	110 J/m	No Break		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	183	--	°C	ASTM D648
1.8 MPa, not annealed	96.0	--	°C	ASTM D648
CLTE - Flow	7.4E-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)	21	16	kV/mm	ASTM D149
Arc Resistance	130	120	sec	ASTM D495
Comparative Tracking Index	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Additional Information				
干燥 Comparative Tracking Index, IEC Method: >600 V				
调节后的 Comparative Tracking Index, IEC Method: >600 V				
Injection	Dry	Unit		
Processing (Melt) Temp	260 - 280		°C	
Mold Temperature	70.0 - 110		°C	
Injection Pressure	50.0 - 60.0		MPa	

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