

GLAMIDE® T-602G30

Polyarylamide
TOYOBO America, Inc.

Message:

GLAMIDE® T-602G30 is a Polyarylamide (PARA) product filled with 30% glass fiber. It is available in North America.

Characteristics include:

Flame Rated

Good Aesthetics

General Information				
UL YellowCard		E51743-242489		
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Aromatic		
		Pleasing Surface Appearance		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	22	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.20 to 0.40	--	%	
3.00 mm	0.40 to 0.70	--	%	
Water Absorption				ASTM D570
24 hr	0.80	--	%	
Equilibrium, 65% RH	1.7	--	%	
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	260	235	MPa	
Yield, 23°C	190	115	MPa	
Yield, 80°C	100	72.0	MPa	
Tensile Elongation (Break, 23°C)	3.6	4.2	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	10000	9200	MPa	
23°C	8500	4000	MPa	
80°C	4000	3200	MPa	
Flexural Strength				ASTM D790
Yield, -40°C	260	250	MPa	
Yield, 23°C	230	120	MPa	

Yield, 80°C	140	95.0	MPa	
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	65	80	J/m	
23°C	130	210	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	217	--	°C	
1.8 MPa, Unannealed	205	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	23	17	kV/mm	ASTM D149
Arc Resistance	100	90.0	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	250 to 290		°C	
Mold Temperature	60.0		°C	
Injection Pressure	30.0 to 60.0		MPa	

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