GLAMIDE® T-669VGB

Polyamide 66

TOYOBO America, Inc.

Message:

GLAMIDE® T-669VGB is a Polyamide 66 (Nylon 66) product filled with 35% glass fiber. It is available in North America.
Characteristics include:
Flame Rated
Flame Retardant

General Information	
UL YellowCard	E51743-242502
Filler / Reinforcement	Glass Fiber,35% Filler by Weight
Additive	Halogen
Features	Flame Retardant Halogenated
Forms	Pellets

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.62	--	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	25	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.20 to 0.40	--	%	
3.00 mm	0.50 to 0.80	--	%	
Water Absorption				ASTM D570
24 hr	0.60	--	%	
Equilibrium, 65% RH	1.5	--	%	

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	230	210	MPa	
Yield, 23°C	180	145	MPa	
Yield, 80°C	125	100	MPa	
Tensile Elongation (Break, 23°C)	2.5	3.0	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	14000	13000	MPa	
23°C	11300	8000	MPa	
80°C	7000	5400	MPa	
Flexural Strength				ASTM D790
Yield, -40°C	270	250	MPa	

Yield, 23°C	240	190	MPa	
Yield, 80°C	160	130	MPa	
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	26.0	--	mg	ASTM D1044
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact				ASTM D256
-40°C	110	110	J/m	
23°C	140	170	J/m	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	262	--	°C	
1.8 MPa, Unannealed	250	--	°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	24	18	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	4.00	--		ASTM D150
Dissipation Factor (1 kHz)	0.010	--		ASTM D150
Arc Resistance	110	--	sec	ASTM D495
Comparative Tracking Index	300	300	V	IEC 60112
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Flame Rating (0.770 mm)	V-0	--		UL 94
Injection	**Dry**	**Unit**		
Processing (Melt) Temp	275 to 295		°C	
Mold Temperature	80.0		°C	
Injection Pressure	40.0		MPa	

Recommended distributors for this material

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