

GLAMIDE® T-663G50

Polyamide 66
TOYOBO America, Inc.

Message:

GLAMIDE® T-663G50 is a Polyamide 66 (Nylon 66) product filled with 50% glass fiber. It is available in North America. Primary characteristic: flame rated.

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.57	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.20 to 0.40	--	%	
3.00 mm	0.60 to 0.80	--	%	
Water Absorption				ASTM D570
24 hr	0.40	--	%	
Equilibrium, 65% RH	1.2	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	121	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				ASTM D638
Yield, -40°C	280	250	MPa	
Yield, 23°C	215	160	MPa	
Yield, 80°C	145	115	MPa	
Tensile Elongation (Break, 23°C)	2.0	2.2	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	14000	13000	MPa	
23°C	12500	10000	MPa	
80°C	7900	6600	MPa	
Flexural Strength				ASTM D790
Yield, -40°C	335	310	MPa	
Yield, 23°C	305	260	MPa	
Yield, 80°C	210	175	MPa	
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	110	120	J/m	
23°C	150	180	J/m	
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	262	--	°C	
1.8 MPa, Unannealed	255	--	°C	
CLTE - Flow	1.9E-5	--	cm/cm/°C	ASTM D696
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
Arc Resistance	100	93.0	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	280 to 310		°C	
Mold Temperature	60.0		°C	
Injection Pressure	30.0 to 60.0		MPa	

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