

GLAMIDE® T-665C30

Polyamide 66
TOYOBO America, Inc.

Message:

GLAMIDE® T-665C30 is a Polyamide 66 (Nylon 66) product filled with 30% carbon fiber. It is available in North America.

Characteristics include:

Flame Rated

Conductive

General Information				
Filler / Reinforcement		Carbon Fiber,30% Filler by Weight		
Features		Electrically Conductive		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.27	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.20 to 0.50	--	%	
3.00 mm	0.60 to 0.90	--	%	
Water Absorption				ASTM D570
24 hr	0.60	--	%	
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	216	150	MPa	
Yield, 80°C	132	105	MPa	
Tensile Elongation (Break, 23°C)	2.4	3.0	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	19000	17200	MPa	
23°C	15600	10000	MPa	
80°C	10000	7200	MPa	
Flexural Strength				ASTM D790
Yield, -40°C	337	320	MPa	
Yield, 23°C	300	215	MPa	
Yield, 80°C	210	140	MPa	
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	6.00	--	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method

Notched Izod Impact				ASTM D256
-40°C	72	80	J/m	
23°C	120	150	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	--	°C	ASTM D648
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+12	--	ohms·cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	270 to 300		°C	
Mold Temperature	60.0 to 140		°C	
Injection Pressure	30.0 to 60.0		MPa	

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