

GLAMIDE® TY-835TC

Polyamide 66
TOYOBO America, Inc.

Message:

GLAMIDE®TY-835TC is a polyamide 66 (nylon 66) product that contains 20% mineral fillers. It is available in North America.

Features include:

flame retardant/rated flame
beautiful

General Information				
Filler / Reinforcement		Mineral filler, 20% filler by weight		
Features		Good color stability		
		Excellent appearance		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.28	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	25	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.30 - 0.60	--	%	ASTM D955
3.00 mm	0.60 - 1.0	--	%	ASTM D955
Water Absorption (24 hr)	0.50	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	118	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				ASTM D638
Yield, -40°C	100	96.0	MPa	ASTM D638
Yield, 23°C	80.0	58.0	MPa	ASTM D638
Yield, 80°C	48.0	40.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.2	8.0	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	6400	5600	MPa	ASTM D790
23°C	5300	3800	MPa	ASTM D790
80°C	3500	1600	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	160	153	MPa	ASTM D790
Yield, 23°C	130	90.0	MPa	ASTM D790
Yield, 80°C	80.0	57.0	MPa	ASTM D790
Compressive Strength (23°C)	90.0	62.0	MPa	ASTM D695

Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	30.0	--	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	35	45	J/m	ASTM D256
23°C	53	20	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	245	--	°C	ASTM D648
1.8 MPa, not annealed	160	--	°C	ASTM D648
CLTE - Flow	5.8E-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)	24	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	270 - 300		°C	
Mold Temperature	60.0		°C	
Injection Pressure	30.0 - 60.0		MPa	

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