GLAMIDE® T-656E

Polyamide 66

TOYOBO America, Inc.

Message:

GLAMIDE®T-656E is a polyamide 66 (nylon 66) product. It is available in North America.
Features include:
flame retardant/rated flame
Wear-resistant

General Information				
Features	Good wear resistance			
Forms	Particle			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.12	--	g/cm³	ASTM D792
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.60 - 1.2	--	%	ASTM D955
3.00 mm	1.5 - 2.2	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	1.1	--	%	ASTM D570
Equilibrium, 65% RH	2.4	--	%	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	95.0	90.0	MPa	ASTM D638
Yield, 23°C	70.0	45.0	MPa	ASTM D638
Yield, 80°C	30.0	24.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	52	200	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	3100	2900	MPa	ASTM D790
23°C	2700	1300	MPa	ASTM D790
80°C	800	400	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	125	115	MPa	ASTM D790
Yield, 23°C	96.0	70.0	MPa	ASTM D790
Yield, 80°C	50.0	38.0	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	5.00	--	mg	ASTM D1044
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact				ASTM D256

-40°C	100	130	J/m	ASTM D256
23°C	150	400	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	215	--	°C	ASTM D648
1.8 MPa, not annealed	68.0	--	°C	ASTM D648
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	21	14	kV/mm	ASTM D149
Arc Resistance	120	110	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
Tensile Elongation, ASTM D638, 23°C: >200 %Notched Izod Impact Strength, ASTM D256, 23°C: >400 J/mVolume Resistivity, ASTM D257: 1e10 to 1e11 ohm-mComparative Tracking Index, IEC Method: >600 V

Injection	Dry	Unit
Processing (Melt) Temp	270 - 290	°C
Mold Temperature	40.0 - 80.0	°C
Injection Pressure	30.0 - 40.0	MPa

Recommended distributors for this material

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