

GLAMIDE® T-222SA

Polyamide 6 Elastomer

TOYOBO America, Inc.

Message:

GLAMIDE®T-222SA is a polyamide 6 elastomer (nylon 6 elastomer) product. It is available in North America.

Features include:

flame retardant/rated flame

Good toughness

General Information				
Features		Ultra high toughness		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.03	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	6.0	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.90 - 1.2	--	%	ASTM D955
3.00 mm	1.8 - 2.3	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	0.60	--	%	ASTM D570
Equilibrium, 65% RH	2.0	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	85	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				ASTM D638
Yield, -40°C	50.0	45.0	MPa	ASTM D638
Yield, 23°C	25.0	16.0	MPa	ASTM D638
Yield, 80°C	8.00	6.00	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	200	200	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	1400	1200	MPa	ASTM D790
23°C	700	400	MPa	ASTM D790
80°C	200	100	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	50.0	45.0	MPa	ASTM D790
Yield, 23°C	25.0	17.0	MPa	ASTM D790
Yield, 80°C	8.00	6.00	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	8.00	--	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method

Notched Izod Impact				ASTM D256
-40°C	300	320	J/m	ASTM D256
23°C	No Break	No Break		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	67.0	--	°C	ASTM D648
CLTE - Flow	9.0E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	18	15	kV/mm	ASTM D149
Arc Resistance	125	115	sec	ASTM D495
Comparative Tracking Index	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94

Additional Information

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Comparative Tracking Index, IEC Method: >600 V

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Tensile Elongation, ASTM D638, 23°C: >200 %Comparative Tracking Index, IEC Method: >600 V

Injection	Dry	Unit	
Processing (Melt) Temp	260 - 300	°C	
Mold Temperature	50.0 - 70.0	°C	
Injection Pressure	50.0 - 80.0	MPa	

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