

GLAMIDE® T-422VOR

Polyamide 6
TOYOBO America, Inc.

Message:
GLAMIDE®T-422VOR is a polyamide 6 (nylon 6) product, which contains a 23% mineral filler. It is available in North America. The main characteristics are: flame retardant/rated flame.

General Information				
UL YellowCard		E51743-242487		
Filler / Reinforcement		Mineral filler, 23% filler by weight		
Additive		Halogen		
Features		Halogenated		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.56	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	20	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.10 - 0.20	--	%	ASTM D955
3.00 mm	0.30 - 0.60	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	0.50	--	%	ASTM D570
Equilibrium, 65% RH	1.8	--	%	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	65.0	61.0	MPa	ASTM D638
Yield, 23°C	51.0	38.0	MPa	ASTM D638
Yield, 80°C	28.0	24.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.5	4.5	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	7200	6400	MPa	ASTM D790
23°C	6100	4400	MPa	ASTM D790
80°C	3400	1200	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	110	104	MPa	ASTM D790
Yield, 23°C	90.0	63.0	MPa	ASTM D790
Yield, 80°C	50.0	38.0	MPa	ASTM D790

Compressive Strength (23°C)	62.0	45.0	MPa	ASTM D695
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	32.0	--	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	30	45	J/m	ASTM D256
23°C	40	70	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	205	--	°C	ASTM D648
1.8 MPa, not annealed	160	--	°C	ASTM D648
CLTE - Flow	4.2E-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)	29	20	kV/mm	ASTM D149
Arc Resistance	25.0	15.0	sec	ASTM D495
Comparative Tracking Index	350	350	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.730 mm)	V-0	--		UL 94
Additional Information				
调节后的 Volume Resistivity, ASTM D257: 1e9 to 1e10 ohm-m				
Injection	Dry	Unit		
Processing (Melt) Temp	250 - 285		°C	
Mold Temperature	60.0		°C	
Injection Pressure	40.0 - 60.0		MPa	

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