GLAMIDE® NB-1700

Polyamide

TOYOBO America, Inc.

Message:

GLAMIDE®NB-1700 is a polyamide product. It is available in North America.
Features include:
flame retardant/rated flame
moisture resistance

General Information				
Features	Low or no water absorption			
Forms	Particle			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.06	--	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	28	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.70 - 1.0	--	%	ASTM D955
3.00 mm	1.4 - 1.8	--	%	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	55.0	34.0	MPa	ASTM D638
Yield, 80°C	14.0	11.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	100	200	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	3500	3100	MPa	ASTM D790
23°C	2200	900	MPa	ASTM D790
80°C	700	300	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	130	125	MPa	ASTM D790
Yield, 23°C	77.0	48.0	MPa	ASTM D790
Yield, 80°C	19.0	15.0	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact				ASTM D256
-40°C	40	60	J/m	ASTM D256

23°C	110	450	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	145	--	°C	ASTM D648
1.8 MPa, not annealed	61.0	--	°C	ASTM D648
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	18	14	kV/mm	ASTM D149
Arc Resistance	125	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

Melt Flow Rate, ASTM D1238: 25 to 30 g/10 minTensile Elongation, ASTM D638, 23°C: >100 %Comparative Tracking Index, IEC Method: >600 V

调节后的

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

Injection	Dry	Unit
Processing (Melt) Temp	245 - 285	°C
Mold Temperature	30.0 - 80.0	°C
Injection Pressure	30.0 - 60.0	MPa

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China