GLAMIDE® NB-5550

Polyamide

TOYOBO America, Inc.

Message:

GLAMIDE®NB-5550 is a polyamide product that contains 30% mineral fillers. It is available in North America.
Features include:
flame retardant/rated flame
beautiful
moisture resistance

General Information				
Filler / Reinforcement	Mineral filler, 30% filler by weight			
Features	Good appearance Low or no water absorption			
Forms	Particle			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.27	--	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.40 - 0.70	--	%	ASTM D955
3.00 mm	1.2 - 1.6	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	0.40	--	%	ASTM D570
Equilibrium, 65% RH	1.7	--	%	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	110	100	MPa	ASTM D638
Yield, 23°C	66.0	55.0	MPa	ASTM D638
Yield, 80°C	31.0	28.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.8	--	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	8000	7200	MPa	ASTM D790
23°C	5100	3800	MPa	ASTM D790
80°C	3200	1500	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	170	163	MPa	ASTM D790
Yield, 23°C	105	85.0	MPa	ASTM D790

Yield, 80°C	50.0	35.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	38	65	J/m	ASTM D256
23°C	50	200	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	202	--	°C	ASTM D648
1.8 MPa, not annealed	119	--	°C	ASTM D648
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	30	23	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	240 - 290	°C
Mold Temperature	50.0 - 120	°C
Injection Pressure	50.0	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