

GLAMIDE® T-714E

Polyamide
TOYOBO America, Inc.

Message:
GLAMIDE®T-714E is a polyamide product. It is available in North America. The main characteristics are: flame retardant/rated flame.

General Information				
Features		Aroma		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.18	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow				ASTM D955
1.00 mm	0.10 - 0.30	--	%	ASTM D955
3.00 mm	0.40 - 0.70	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	1.3	--	%	ASTM D570
Equilibrium, 65% RH	2.4	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				ASTM D638
Yield, -40°C	130	125	MPa	ASTM D638
Yield, 23°C	97.0	92.0	MPa	ASTM D638
Yield, 80°C	80.0	16.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	50	%	ASTM D638
Flexural Modulus				ASTM D790
-40°C	3800	3500	MPa	ASTM D790
23°C	2600	2500	MPa	ASTM D790
80°C	2000	500	MPa	ASTM D790
Flexural Strength				ASTM D790
Yield, -40°C	195	185	MPa	ASTM D790
Yield, 23°C	147	135	MPa	ASTM D790
Yield, 80°C	121	25.0	MPa	ASTM D790
Compressive Strength (23°C)	100	--	MPa	ASTM D695
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C	20	20	J/m	ASTM D256
23°C	60	60	J/m	ASTM D256

Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	100	--	°C	ASTM D648
1.8 MPa, not annealed	118	--	°C	ASTM D648
CLTE - Flow	5.4E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	19	19	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	4.00	4.00		ASTM D150
Arc Resistance	110	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				

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Comparative Tracking Index, IEC Method: >600 V

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Comparative Tracking Index, IEC Method: >600 V

Injection	Dry	Unit
Processing (Melt) Temp	250 - 280	°C
Mold Temperature	60.0	°C
Injection Pressure	40.0 - 50.0	MPa

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