

GLAMIDE® T-803

PA6

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	44	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	90 / 45	MPa	ASTM D 638
Compressive Strength	85 / -	MPa	ASTM D 695
Flexural Modulus	3200 / 1100	MPa	ASTM D 790
Flexural Strength	113 / 49	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Taber Abrasion Resistance	5	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	50 / 390	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	30 / 45	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	83	E-6/K	ASTM D 696
DTUL @ 66 psi	180	°C	ASTM D 648
DTUL @ 264 psi	75	°C	ASTM D 648
Electrical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	600 / 600	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	18 / 12	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E12	Ohm*cm	ASTM D 257
Arc Resistance	125 / 105	s	ASTM D 495
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	1.8	%	ASTM D 570
Water Absorption, Equilibrium	3.5	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 120	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	240 - 260	°C	-
Mold temperature	80	°C	-
Injection pressure	30 - 40	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific