

**GLAMIDE® T-802**

PA6

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	55	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	80 / 35	MPa	ASTM D 638
Compressive Strength	82 / -	MPa	ASTM D 695
Flexural Modulus	2700 / 1000	MPa	ASTM D 790
Flexural Strength	103 / 50	MPa	ASTM D 790
Rockwell Hardness	R 118 /	-	ASTM D 785
Taber Abrasion Resistance	5	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	54 / 400	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	35 / 50	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	84	E-6/K	ASTM D 696
DTUL @ 66 psi	175	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	600 / 600	-	IEC 60112
<b>ASTM Data</b>			
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	2.3	%	ASTM D 570
Water Absorption, Equilibrium	3.5	%	ASTM D 570
Density	1140	kg/m <sup>3</sup>	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