

GLAMIDE® T-402

PA6-GF30

Toyobo Co., Ltd.

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	170 / 105	MPa	ASTM D 638
Compressive Strength	155 / -	MPa	ASTM D 695
Flexural Modulus	8500 / 5000	MPa	ASTM D 790
Flexural Strength	260 / 130	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	120 / 200	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	80 / 85	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	25	E-6/K	ASTM D 696
DTUL @ 66 psi	217	°C	ASTM D 648
DTUL @ 264 psi	205	°C	ASTM D 648

Electrical properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	23 / 17	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E12	Ohm*cm	ASTM D 257
Arc Resistance	100 / 90	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.3	%	ASTM D 570
Water Absorption, Equilibrium	2.5	%	ASTM D 570
Density	1360	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	260 - 280	°C	-
Mold temperature	60	°C	-
Injection pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific