

GLAMIDE® TY-502 NZ

PA6T

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	7	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	90 / 85	MPa	ASTM D 638
Compressive Strength	100 / -	MPa	ASTM D 695
Flexural Modulus	3500 / 3400	MPa	ASTM D 790
Flexural Strength	145 / 130	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	120 / 60	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	70 / 70	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	55	E-6/K	ASTM D 696
DTUL @ 66 psi	170	°C	ASTM D 648
DTUL @ 264 psi	100	°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	23 / 22	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E15	Ohm*cm	ASTM D 257
Arc Resistance	130 / 130	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.7	%	ASTM D 570
Water Absorption, Equilibrium	1.9	%	ASTM D 570
Density	1180	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	305 - 320	°C	-
Mold temperature	90	°C	-
Injection pressure	30 - 40	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific