

GLAMIDE® T-403

PA6-GF45

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	200 / 130	MPa	ASTM D 638
Compressive Strength	160 / -	MPa	ASTM D 695
Flexural Modulus	12000 / 7200	MPa	ASTM D 790
Flexural Strength	290 / 180	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	190 / 250	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	115 / 140	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	20	E-6/K	ASTM D 696
DTUL @ 66 psi	217	°C	ASTM D 648
DTUL @ 264 psi	217	°C	ASTM D 648

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	550 / 550	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	25 / 19	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E12	Ohm*cm	ASTM D 257
Arc Resistance	100 / 92	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.1	%	ASTM D 570
Water Absorption, Equilibrium	1.9	%	ASTM D 570
Density	1480	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	270 - 290	°C	-
Mold temperature	60	°C	-
Injection pressure	75 - 95	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific