

GLAMIDE® T-401

PA6-GF20

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	125 / 70	MPa	ASTM D 638
Compressive Strength	120 / -	MPa	ASTM D 695
Flexural Modulus	6300 / 3200	MPa	ASTM D 790
Flexural Strength	180 / 100	MPa	ASTM D 790
Rockwell Hardness	R 118 /	-	ASTM D 785
Taber Abrasion Resistance	10	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	70 / 190	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	45 / 60	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	30	E-6/K	ASTM D 696
DTUL @ 66 psi	217	°C	ASTM D 648
DTUL @ 264 psi	180	°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	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	1.4	%	ASTM D 570
Water Absorption, Equilibrium	2.8	%	ASTM D 570
Density	1290	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 - 55	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific