

GLAMIDE® T-663G15

PA66-GF15

Toyobo Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.0085	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	120 / 90	MPa	ASTM D 638
Flexural Modulus	5400 / 3500	MPa	ASTM D 790
Flexural Strength	160 / 120	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	70 / 110	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	50 / 55	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	262	°C	ASTM D 648
DTUL @ 264 psi	245	°C	ASTM D 648
Electrical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	575 / 575	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	24 / 18	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E13	Ohm*cm	ASTM D 257
Arc Resistance	110 / 90	s	ASTM D 495
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	1	%	ASTM D 570
Water Absorption, Equilibrium	2.1	%	ASTM D 570
Density	1260	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	280 - 310	°C	-
Mold temperature	60	°C	-
Injection pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific