

GLAMIDE® T-663G30

PA66-GF30

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	0.0035	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	195 / 145	MPa	ASTM D 638
Flexural Modulus	8700 / 5800	MPa	ASTM D 790
Flexural Strength	280 / 210	MPa	ASTM D 790
Rockwell Hardness	R 121 /	-	ASTM D 785
Izod Impact notched, 1/8 in	110 / 140	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	70 / 80	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	255	°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	26 / 20	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E13	Ohm*cm	ASTM D 257
Arc Resistance	100 / 92	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.6	%	ASTM D 570
Water Absorption, Equilibrium	1.7	%	ASTM D 570
Density	1370	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