

**GLAMIDE® TY-835 TC**

PA66-MX20

Toyobo Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength	80 / 58	MPa	ASTM D 638
Compressive Strength	90 / 62	MPa	ASTM D 695
Flexural Modulus	5300 / 3800	MPa	ASTM D 790
Flexural Strength	130 / 90	MPa	ASTM D 790
Rockwell Hardness	R 118 /	-	ASTM D 785
Taber Abrasion Resistance	30	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	53 / 20	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	35 / 45	J/m	ASTM D 256
Temperature	-40	°C	-
<b>Thermal properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	58	E-6/K	ASTM D 696
DTUL @ 66 psi	245	°C	ASTM D 648
DTUL @ 264 psi	160	°C	ASTM D 648
<b>Electrical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Comparative tracking index	600 / 600	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	24 / 16	kV/mm	ASTM D 149
Volume Resistivity	1E15 / 1E13	Ohm*cm	ASTM D 257
Arc Resistance	130 / 120	s	ASTM D 495
<b>Other properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	0.5	%	ASTM D 570
Density	1280	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	80 - 120	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	270 - 300	°C	-
Mold temperature	60	°C	-
Injection pressure	30 - 60	MPa	-

**Characteristics****Processing**

Injection Molding

**Features**

Color Stability

**Regional Availability**

North America, Europe, Asia Pacific