

Product Texts

This material is produced by Toray Plastics (Malaysia).

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	23	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Strength	54	MPa	ISO 527
Strain at break	18	%	ISO 527
Flexural modulus, 23°C	2540	MPa	ISO 178
Charpy notched impact strength, +23°C	17	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 115	-	ISO 2039-2
ASTM Data			
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	35	%	ASTM D 638
Flexural Modulus	2450	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	196	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	118	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	71	E-6/K	ASTM D 696
DTUL @ 264 psi	87	°C	ASTM D 648

Electrical properties

	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	23	kV/mm	ASTM D 149
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Density	1050	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Europe, Asia Pacific, South and Central America