Component - Plastics

E41797

Guide Information

TORAY INDUSTRIES INC

NIHONBASHI-MITSUI TOWER, 1-1 NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU TOKYO 103-8666 JP

920

Acrylic/Acrylonitrile Butadiene Styrene (Acrylic/ABS) "Toyolac", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.2	HB	-	-	60	60	60
	1.5	HB	4	0	60	60	60
	3.0	HB	3	0	60	60	60
	6.0	HB	3	0	60	60	60

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 34

High-Voltage Arc Tracking Rate (HVTR): 1

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 15

High Volt, Low Current Arc Resis (D495): 5

NOTE - Polyamide (nylon) grades may be prefixed with the letters CM and may employ hyphens in various locations. The designations of ECODEAR products may employ hyphens and/or spaces in various locations. All grades that include ABS, SAN, and/or PC (designations of TOYOLAC or TOYOLACPAREL or TORAYCA products) may employ hyphens and/or spaces and may be suffixed with 3 or 4 digits of letters and/or numbers.

Report Date: 1989-11-13

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.2	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
			6.0	HB, HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m^2	-	-
ISO Izod Impact	ISO 180	kJ/m^2	-	-
ISO Charpy Impact	ISO 179-2	kJ/m^2	-	-