

Component - Plastics

E41797

TORAY INDUSTRIES INC

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

A504X90, A504X95, A504FG1, A504, A504CX1, A504CX2 (R)

Polyphenylene Sulfide (PPS) "Torelina", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.28	V-0	-	-	130	130	130
	0.71	V-0	1	1	200	200	200
	1.5	V-0	0	1	220	200	210
	3.0	V-0	0	0	220	200	210

Comparative Tracking Index (CTI): 4

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 21

Volume Resistivity (10⁸ ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 1

Surface Resistivity (10⁸ ohms/square): -

Dimensional Change (%): 0.0

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

(R) - Virgin and regrind up to 50% by weight inclusive have the same V-0 flammability and tensile impact characteristics when used within the 130 C generic temperature limitation: no other properties for regrind 26-50% by wt. incl. have been determined.

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 TOYO-LACPAREL or TORAYCA products) may employ hyphens and/or spaces and may be suffixed with 3 or 4 digits of letters and/or numbers.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1994-07-14

Last Revised: 2022-11-07

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties: refer to Terms and Conditions of Sale

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.28	V-0 (ALL)
			0.71	V-0 (ALL)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWF1)	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 179-1	kJ/m ²	-	-

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