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View additional material information including performance and processing data

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Component - Plastics E337835

Guide Information

View Certificate of Compliance

RADICI PLASTICS (SUZHOU) CO LTD

No.9 Hucundang Road, Caohu Street, Xiangcheng District, Suzhou Jiangsu 215143 CN

Radilon-A HS(a)(r2)

Polyamide 66 (PA66), furnished as granular material

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
ALL	0.4	V-2	-	-	65	65	65
	0.75	V-2	4	0	140	70	90
	1.0	V-2	4	0	140	70	90
	1.5	V-2	3	0	140	70	90
	3.0	V-2	2	0	140	70	90

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -

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

Surface Resistivity (10^x ohms/square): -

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

(a) - alphanumeric code consisting of 3 to 4 digits or letters indicating color excluding letter c.

(r2) - Virgin and regrind up to 50% by wt. incl. have the same basic flammability, HWI, HAI, CTI, HDT, TI ,and TS characteristics when used within the 65°C generic RTI.

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: 2010-03-31

Last Revised: 2022-08-10

ALSO CERTIFIED TO IEC REQUIREMENTS

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.4	V-2 (ALL)
			0.75	V-2 (ALL)
			1.0	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	960
			1.5	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.0	650
			1.5	650
			3.0	650
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
IEC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
IEC Volume Resistivity (VR)	IEC 62631-3-1	10^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10^x ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
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	-	-