

Component - Plastics

E41938

## CELANESE INTERNATIONAL CORP

8040 DIXIE HWY, FLORENCE KY 41042-2904

### FR530(I)(+)(f1), FR530L(I)(+)(f1)

Polyethylene Terephthalate (PET), glass reinforced, flame retardant "Rynite", furnished as pellets

Attention Materials Users! This product Certification has been changed on 2025-08-21; UL746C Suitability for outdoor use [(f1) or (f2) footnote] has been revised.

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
NC, BK	0.35	V-0	3	1	155	155	155
ALL	0.75	V-0	2	1	155	155	155
NC, BK	1.5	V-0, 5VA	0	1	155	155	155
ALL	2.0	V-0, 5VA	0	1	155	155	155
	3.0	V-0, 5VA	0	1	155	155	155
Comparative Tracking Index (CTI):			2	Inclined Plane Tracking (IPT) kV:			-
Dielectric Strength (kV/mm):			34	Volume Resistivity (10 <sup>x</sup> ohm-cm):			16
High-Voltage Arc Tracking Rate (HVTR):			1	Surface Resistivity (10 <sup>x</sup> ohms/square):			-
Dimensional Change (%):			0	High Volt, Low Current Arc Resis (D495):			6

(+) - Use of Regrind up to 50% by weight inclusive, has the same basic material characteristics.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(I) - Recognized ground insulation component at 0.4 mm with MW79 in UL1446 Class 155 electrical insulation system designated R201N (File E69939).

NOTE (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) Material designations may be prefixed by - "ZYT" for Zytel or "MIN" for Minlon or "CRA" for Crastin or "RYN" for Rynite.

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: 1996-01-04

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Last Revised: 2025-08-22



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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, IEC 60695-11-20	Class (color)	0.35	V-0 (NC, BK)
			0.75	V-0 (ALL)
			1.5	V-0, 5VA (NC, BK)
			2.0	V-0, 5VA (ALL)
			3.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.75	960
			1.5	960
			2.0	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.75	800
			1.5	800
			2.0	985
			3.0	985
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 <sup>x</sup> ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 <sup>x</sup> ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	245
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 <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-

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