

Component - Plastics

E41938

CELANESE INTERNATIONAL CORP - Florence

8040 DIXIE HWY, FLORENCE, KY 41042-2904 United States

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

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

Color	Min. Thk (mm)	Flame Class	HWI (PLC)	HAI (PLC)	GWIT (°C)	GWFI (°C)	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	800	960	155	155	155
NC, BK	1.5	V-0, 5VA	0	1	800	960	155	155	155
ALL	2.0	V-0, 5VA	0	1	985	960	155	155	155
	3.0	V-0, 5VA	0	1	985	960	155	155	155

Comparative Tracking Index (CTI) (PLC):

2

IEC Comparative Tracking Index (V):

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IEC CTI Material Group:

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Inclined Plane Tracking (IPT) (kV):

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High-Voltage Arc Tracking Rate (HVTR) (PLC):

1

Dielectric Strength (DS) (kV/mm):

34

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

16

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

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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). (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) 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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ALSO CERTIFIED TO IEC REQUIREMENTS

ISO/IEC Flammability Properties	Value		Test Method
Flammability			IEC 60695-11-10
0.35 mm, Color: NC, BK	V-0		
0.75 mm, Color: ALL	V-0		
1.5 mm, Color: NC, BK	V-0		
2.0 mm, Color: ALL	V-0		
3.0 mm, Color: ALL	V-0		
Flammability			IEC 60695-11-20
1.5 mm, Color: NC, BK	5VA		
2.0 mm, Color: ALL	5VA		
3.0 mm, Color: ALL	5VA		
Glow Wire Ignition Temperature (GWIT)			IEC 60695-2-13
0.75 mm	800	°C	
1.5 mm	800	°C	
2.0 mm	985	°C	
3.0 mm	985	°C	
Glow Wire Flammability Index (GWFI)			IEC 60695-2-12
0.75 mm	960	°C	
1.5 mm	960	°C	
2.0 mm	960	°C	
3.0 mm	960	°C	