



E I DUPONT DE NEMOURS & CO INC

Mobility & Materials
200 Powder Mill Road #304
Wilmington, DE 19803 United States



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

Polyethylene Terephthalate (PET), pellets, glass reinforced, flame retardant

- (+) - Virgin and regrind up to 50% by weight inclusive, have 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 "DEL" for Delrin or "CRA" for Crastin or "RYN" for Rynite or "ETPV" for ETPV or "SOR" for Sorona grades.

可燃性	值	测试方法
UL 阻燃等级		UL 94
0.35 mm, NC, BK	V-0	IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
0.9 mm, NC	V-0, 5VA	
1.5 mm, NC, BK	V-0, 5VA	
2.0 mm, ALL	V-0, 5VA	
3.0 mm, ALL	V-0, 5VA	
灼热丝易燃指数		IEC 60695-2-12
0.75 mm	960 °C	
0.9 mm	960 °C	
1.5 mm	960 °C	
2.0 mm	960 °C	
3.0 mm	960 °C	
热灯丝点火温度		IEC 60695-2-13
0.75 mm	800 °C	
0.9 mm	800 °C	
1.5 mm	800 °C	
2.0 mm	985 °C	
3.0 mm	985 °C	
电气性能	值	测试方法
热丝引燃 (HWI)		UL 746A
0.35 mm	PLC 3	
0.75 mm	PLC 2	
0.9 mm	PLC 2	
1.5 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	



电气性能	值	测试方法
高电弧燃烧指数(HAI)		UL 746A
0.35 mm	PLC 1	
0.75 mm	PLC 1	
0.9 mm	PLC 1	
1.5 mm	PLC 1	
2.0 mm	PLC 1	
3.0 mm	PLC 1	
相比耐漏电起痕指数(CTI)	PLC 2	UL 746A
介电强度	34 kV/mm	ASTM D149
高电压电弧起痕速率 (HVTR)	PLC 1	UL 746A
体积电阻率	1.0E+16 ohms-cm	ASTM D257 IEC 60093
耐电弧性	PLC 6	ASTM D495
热性能	值	测试方法
RTI Elec		UL 746B
0.35 mm	155 °C	
0.75 mm	155 °C	
0.9 mm	155 °C	
1.5 mm	155 °C	
2.0 mm	155 °C	
3.0 mm	155 °C	
RTI Imp		UL 746B
0.35 mm	155 °C	
0.75 mm	155 °C	
0.9 mm	155 °C	
1.5 mm	155 °C	
2.0 mm	155 °C	
3.0 mm	155 °C	
RTI		UL 746B
0.35 mm	155 °C	
0.75 mm	155 °C	
0.9 mm	155 °C	
1.5 mm	155 °C	
2.0 mm	155 °C	
3.0 mm	155 °C	
Ball Pressure Test (245°C)	通过	IEC 60695-10-2
物理性能	值	测试方法
Dimensional Change	0.0 %	ASTM D1042 ISO 2796
室外适用性	f1	UL 746C