



E I DUPONT DE NEMOURS & CO INC
ENGINEERING POLYMERS



Zytel: FR50(+)(f1)

Polyamide 66 (PA66), pellets, flame retardant, glass reinforced

(+) - 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.

Flammability	值	测试方法
Flame Rating		UL 94
0.35 mm, ALL	V-0	IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
1.5 mm, NC, BK	V-0, 5VA	
3.0 mm, NC, BK	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	900 °C	
1.5 mm	900 °C	
3.0 mm	930 °C	
Electrical	值	测试方法
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	25 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+11 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	值	测试方法
RTI Elec		UL 746
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746
0.75 mm	105 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	



Thermal	值	测试方法
RTI Str		UL 746
0.75 mm	105 °C	
1.5 mm	115 °C	
3.0 mm	120 °C	
Ball Pressure Test (240°C, 3.00 mm)	通过	IEC 60695-10-2
Physical	值	测试方法
Outdoor Suitability	f1	UL 746C