



Component - Plastics

File Number: E41938

E I DUPONT DE NEMOURS & CO INC

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



Zytel: 101(r9)(f1), 101F(r9)(f1), 101L(r9)(f1), E101(r9)(f1), E101L(r9)(f1)

Polyamide 66 (PA66), pellets

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

(r9) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics for ALL colors down to 0.71mm. For thickness 0.40mm to 0.70mm the same basic material characteristics exist with the exception of generic RTIs for all properties and Regrind exceeding 25% is limited to V-2 Flammability for WT, RD, BK.

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.

Flammability	Value	Test Method
Flame Rating		UL 94
0.71 mm, ALL	V-2	IEC 60695-11-10, -20
1.5 mm, ALL	V-2	
3.0 mm, ALL	V-2	
6.0 mm, ALL	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.71 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
6.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.71 mm	725 °C	
1.5 mm	750 °C	
3.0 mm	800 °C	
6.0 mm	800 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.71 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
6.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.71 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	13 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+14 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746B
0.71 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
RTI Imp		UL 746B
0.71 mm	75.0 °C	
1.5 mm	75.0 °C	
3.0 mm	75.0 °C	
6.0 mm	75.0 °C	
RTI Str		UL 746B
0.71 mm	85.0 °C	
1.5 mm	85.0 °C	
3.0 mm	85.0 °C	
6.0 mm	85.0 °C	
Ball Pressure Test (240°C)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C