Component - Plastics

File Number: E41938

E I DUPONT DE NEMOURS & CO INC
ENGINEERING POLYMERS
CHESTNUT RUN PLAZA
PO BOX 80713
WILMINGTON, DE 19880 United States

Zytel: HTN51G45HSL

Polyamide 6T/MPMDT, pellets, high temperature

Flammability	Value	Test Method
Flame Rating		
0.9 mm, ALL	HB	UL 94
1.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
0.9 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
0.9 mm	PLC 2	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.9 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	31 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093
Thermal	**Value**	**Test Method**
RTI Elec		UL 746
0.9 mm	150 °C	
1.5 mm	150 °C	
3.0 mm	150 °C	
RTI Imp		UL 746
0.9 mm	120 °C	
1.5 mm	125 °C	
3.0 mm	150 °C	
RTI Str		UL 746
0.9 mm	130 °C	
1.5 mm	140 °C	
3.0 mm	150 °C	
Physical	**Value**	**Test Method**
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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