



Component - Plastics

File Number: E245249

LANXESS AG

CHEMPARK DORMAGEN, BU HPM, BUILDING F46, DORMAGEN 41538 DE



DURETHAN: B30S+(f1)

Polyamide 6 (PA6), pellets

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

+ - Material designations may be followed by suffix numbers and/or letter(s) denoting color.

Flammability	Value	Test Method
Flame Rating		UL 94
0.380 mm, NC	V-2	
1.50 mm, ALL	V-2	
3.00 mm, ALL	V-2	
6.00 mm, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
0.380 mm, NC	V-2	
1.50 mm, ALL	V-2	
3.00 mm, ALL	V-2	
6.00 mm, ALL	V-2	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 4	
3.00 mm	PLC 3	
6.00 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 0	
3.00 mm	PLC 0	
6.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	27 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+14 ohms·cm	ASTM D257
Volume Resistivity	1.0E+14 ohms·cm	IEC 60093
Electric Strength	27 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
1.00 mm	105 °C	
1.50 mm	105 °C	
3.00 mm	105 °C	
6.00 mm	105 °C	
RTI Imp		UL 746
1.50 mm	65.0 °C	
3.00 mm	65.0 °C	
6.00 mm	65.0 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
1.50 mm	75.0 °C	
3.00 mm	75.0 °C	
6.00 mm	75.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.30 %	ASTM D1042
Dimensional Stability	0.30 %	ISO 2796
Outdoor Suitability	f1	UL 746C

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