



Component - Plastics

File Number: E245249

LANXESS AG

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



DURETHAN: AKV35H2.0+, AKV35H3.0+, AKV35H2.0LT+, AKV35H3.0LT+

Polyamide 66 (PA66), pellets, glass reinforced

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

Flammability	Value	Test Method
Flame Rating		UL 94
0.750 mm, ALL	HB	
1.50 mm, ALL	HB	
3.00 mm, ALL	HB	
6.00 mm, ALL	HB	
Flammability Classification		IEC 60695-11-10, -20
3.00 mm, ALL	HB40	
6.00 mm, ALL	HB40	
0.750 mm, ALL	HB75	
1.50 mm, ALL	HB75	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.750 mm	PLC 4	
1.50 mm	PLC 4	
3.00 mm	PLC 4	
6.00 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
0.750 mm	PLC 0	
1.50 mm	PLC 0	
3.00 mm	PLC 0	
6.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	25 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+11 ohms-cm	ASTM D257
Volume Resistivity	1.0E+11 ohms-cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Electric Strength	25 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.750 mm	120 °C	
1.50 mm	120 °C	
3.00 mm	120 °C	
6.00 mm	120 °C	
RTI Imp		UL 746
0.750 mm	95.0 °C	
1.50 mm	105 °C	
3.00 mm	105 °C	
6.00 mm	105 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.750 mm	110 °C	
1.50 mm	115 °C	
3.00 mm	115 °C	
6.00 mm	115 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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