



Component - Plastics

File Number: E47960

DSM Engineering Plastics B V

Urmonderbaan 22, Geleen 6167 RD NL



Akulon: F223-D(f1), F223-D /A(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.

Flammability	Value	Test Method
Flame Rating		UL 94
0.750 mm, NC	V-2	IEC 60695-11-10, -20
1.50 mm, NC	V-2	
3.00 mm, NC	V-2	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 4	
3.00 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 0	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	28 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
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.750 mm	120 °C	
1.50 mm	120 °C	
3.00 mm	120 °C	
RTI Imp		UL 746
0.750 mm	65.0 °C	
1.50 mm	65.0 °C	
3.00 mm	70.0 °C	
RTI Str		UL 746
0.750 mm	85.0 °C	
1.50 mm	85.0 °C	
3.00 mm	85.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.82 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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