



K224-G6

File Number: E47960

Yellow Card® 

COMPANY

DSM Engineering Materials B V
Urmonderbaan 22
Geleen, 6167 RD Netherlands

MODEL INFO

Akulon: K224-G6
Polyamide 6 (PA6), glass reinforced, furnished as pellets

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.75 mm, Color: ALL	HB	
1.5 mm, Color: ALL	HB	
3.0 mm, Color: ALL	HB	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.75 mm, Color: ALL	HB75	
1.5 mm, Color: ALL	HB75	
3.0 mm, Color: ALL	HB40	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 4	

Feedback

2023/3/15	K224-G6 UL Product iQ	
3.0 mm	PLC 4	
High Amp Arc Ignition (HAI)	UL 746A	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	27 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength	UL 746B	
0.75 mm	65 °C	
1.5 mm	65 °C	
3.0 mm	65 °C	
Relative Thermal Index - Mechanical Impact	UL 746B	
0.75 mm	65 °C	
1.5 mm	65 °C	
3.0 mm	65 °C	
Relative Thermal Index - Mechanical Strength	UL 746B	
0.75 mm	65 °C	
1.5 mm	65 °C	
3.0 mm	65 °C	
PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.80 %	ASTM D1042/ISO 2796

Feedback



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