



A3K (o) Q790(g)(f1)

File Number: E41871

Yellow Card® 

COMPANY

BASF SE
Performance Materials Europe
PMD/EX - H201
Ludwigshafen, 67056 Germany

MODEL INFO

Ultramid: A3K (o) Q790(g)(f1)
Polyamide 66 (PA66), furnished as pellets
(o) – May be replaced by a word indicating color or a word followed with a three to five digit number indicating color.
(g) – Virgin and regrind up to 50% by weight have the same basic characteristics with the exception of the weatherability testing.
(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.5 mm, Color: BK	V-2	
3.0 mm, Color: BK	V-2	
6.0 mm, Color: BK	V-2	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.5 mm, Color: BK	V-2	
3.0 mm, Color: BK	V-2	
6.0 mm, Color: BK	V-2	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13

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1.5 mm	930 °C	
3.0 mm	725 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.5 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES		VALUE
Hot-wire Ignition (HWI)		TEST METHOD
		UL 746A
1.5 mm	PLC 3	
3.0 mm	PLC 2	
6.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)		UL 746A
Dielectric Strength		22 kV/mm
High Voltage Arc Tracking Rate (HVTR)		ASTM D149
		PLC 0
High Voltage, Low Current Arc Resistance		PLC 4
THERMAL PROPERTIES		VALUE
Relative Thermal Index - Electrical Strength		TEST METHOD
		UL 746B
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
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1.5 mm	80 °C	
3.0 mm	80 °C	
6.0 mm	80 °C	

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Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	85 °C	
3.0 mm	90 °C	
6.0 mm	90 °C	

PHYSICAL PROPERTIES	VALUE	TEST METHOD
UV Exposure & Water Immersion	f1	UL 746C

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