

$\mathsf{UL}\,\mathsf{Product}\,\mathbf{iQ}^{\scriptscriptstyle{\mathsf{M}}}$

(U)

E1010

File Number: E41871



COMPANY

BASF SE Performance Materials Europe E-PME/NQ - H201 Ludwigshafen, 67056 Germany

MODEL INFO

Ultrason: E1010 Polyethersulfone (PESU), furnished as pellets

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.5 mm, Color: ALL	V-1	
3.0 mm, Color: ALL	V-0	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	V-1	
3.0 mm, Color: ALL	V-0	

ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	3 PLC	
3.0 mm	2 PLC	
High Amp Arc Ignition (HAI)		UL 746A
Cookies on UL 1.5 mm We use cookies to personalize content and	2 PLC	
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opresectal media _t advertising and analytics partners. <u>. Learn More</u>	28 kV/mm	ASTM D149

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High Voltage Arc Tracking Rate (HVTR)	2 PLC	
Volume Resistivity	1.0E+16 ohms∙cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	6 PLC	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
1.5 mm	180 °C	
3.0 mm	180 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.5 mm	180 °C	
3.0 mm	180 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	190 °C	
3.0 mm	190 °C	
PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Stability	0.0 %	ASTM D1042/ISO
		2796
		Report Date: 2008-02- Revision Date: 2009-10-

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