



E4008(c4)(c2)(c3)(j)(f2)

File Number: E249884

Yellow Card® 

COMPANY

SUMITOMO CHEMICAL CO LTD

ADVANCED POLYMERS DIV
TOKYO SUMITOMO TWIN BLDG
27-1 SHINKAWA 2-CHOME
CHUO-KU, TOKYO 104-8260 Japan

MODEL INFO

SUMIKASUPER: E4008(c4)(c2)(c3)(j)(f2)

Liquid Crystal Polymer (LCP), furnished as pellets

- (j) – Virgin and Regrind up to 50% by weight inclusive have the same basic material characteristics with regard to flammability, HWI, HAI, CTI, Tensile Strength, HDT and RTI only.
- (f2) – Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.
- (c4) – May be followed by MR, MR-B, KE, KE-B.
- (c3) – May be two numbers indicating specific colors.
- (c2) – May be one to four letters except L with/without hyphenation indicating specific colors and/or formulation within polymer variation.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.30 mm, Color: NC, WT, BK	V-0	
0.75 mm, Color: NC, WT, BK	V-0	
1.5 mm, Color: NC, WT, BK	V-0	
3.0 mm, Color: NC, WT, BK	V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.30 mm, Color: NC, WT, BK	V-0	
0.75 mm, Color: NC, WT, BK	V-0	
1.5 mm, Color: NC, WT, BK	V-0	

3.0 mm, Color: NC, WT, BK	V-0	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.30 mm	PLC 3	
0.75 mm	PLC 3	
1.5 mm	PLC 2	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.30 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 0	
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.30 mm	240 °C	
0.75 mm	240 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.30 mm	200 °C	
0.75 mm	220 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.30 mm	240 °C	
0.75 mm	240 °C	

1.5 mm	240 °C
3.0 mm	240 °C

PHYSICAL PROPERTIES	VALUE	TEST METHOD
UV Exposure & Water Immersion	f2	UL 746C

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