Component - Plastics

File Number: E41179

MITSUBISHI ENGINEERING-PLASTICS CORP

ENVIRONMENT & QUALITY ASSURANCE DEPT
SHIODOME SUMITOMO-BLDG 25TH FL
1-9-2 HIGASHI-SHINBASHI
MINATO-KU, TOKYO 105-0021 Japan

Iupilon: H-3000(&8)

Polycarbonate (PC), pellets, powder, sheets, insulating material

(&8) - Suffix optional except DC and UDC.

Flammability	Value	Test Method
Flame Rating		UL 94
3.0 mm, ALL	HB	
6.0 mm, ALL	HB	
0.38 mm, ALL	V-2	
1.5 mm, ALL	V-2	
2.4 mm, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, ALL	HB40	
6.0 mm, ALL	HB40	
0.38 mm, ALL	V-2	
1.5 mm, ALL	V-2	
2.4 mm, ALL	V-2	
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 3	
2.4 mm	PLC 3	
3.0 mm	PLC 3	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 0	
2.4 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	20 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+7 ohms·cm	ASTM D257
Volume Resistivity	1.0E+7 ohms·cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Electric Strength	20 kV/mm	IEC 60243-1
Thermal	**Value**	**Test Method**
RTI Elec		UL 746
0.38 mm	80.0 °C	
1.5 mm	125 °C	
2.4 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	

Form Number: E41179-231923

Report Date: 1972-10-26
Last Revised: 2019-01-17

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Component - Plastics

File Number: E41179

Thermal	Value	Test Method
RTI Imp		UL 746
0.38 mm	80.0 °C	
1.5 mm	115 °C	
2.4 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI Str		UL 746
0.38 mm	80.0 °C	
1.5 mm	125 °C	
2.4 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
Physical	**Value**	**Test Method**
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

Report Date: 1972-10-26
Last Revised: 2019-01-17

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.