

LOTTE CHEMICAL CORPORATION

56 GOSAN-RO

UIWANG-SI, GYEONGGI-DO 16073 Republic of Korea

STAREX: SD-0150UF

Acrylonitrile Butadiene Styrene (ABS), pellets



Flame Rating	Flammability	Value	Test Method
1.5 mm, ALL 3.0 mm, ALL 6.0 mm, ALL Flammability Classification 3.0 mm, ALL 6.0 mm, ALL 1.0 mm 1.0 mm, ALL 1.0 mm	Flame Rating		UL 94
3.0 mm, ALL	1.0 mm, ALL	НВ	
Flammability Classification	1.5 mm, ALL	НВ	
Flammability Classification IEC 60695-11-10, -20 3.0 mm, ALL	3.0 mm, ALL	НВ	
3.0 mm, ALL 6.0 mm, ALL 1.0 mm, ALL 1.5 mm Hot-wire Ignition (HWI) 1.5 mm PLC 3 3.0 mm PLC 4 6.0 mm PLC 4 High Amp Arc Ignition (HAI) 1.5 mm PLC 0 3.0 mm PLC 0 3.0 mm PLC 0 0.0 m	6.0 mm, ALL	НВ	
6.0 mm, ALL 1.0 mm, ALL 1.0 mm, ALL 1.0 mm, ALL 1.0 mm, ALL 1.5 mm, ALL HB75 Electrical Value Test Method H-t-wire Ignition (HWI) 1.5 mm PLC 5 3.0 mm PLC 4 6.0 mm PLC 4 High Amp Are Ignition (HAI) 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 0.0 mm PLC 0 0	Flammability Classification		IEC 60695-11-10, -20
1.0 mm, ALL	3.0 mm, ALL	HB40	
1.5 mm, ALL	6.0 mm, ALL	HB40	
Electrical Value Test Method UL 746A Hot-wire Ignition (HWI)	1.0 mm, ALL	HB75	
Hot-wire Ignition (HWI)	1.5 mm, ALL	HB75	
1.5 mm	Electrical	Value	Test Method
3.0 mm	Hot-wire Ignition (HWI)		UL 746A
6.0 mm	1.5 mm	PLC 5	
High Amp Arc Ignition (HAI)	3.0 mm	PLC 4	
1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 Comparative Tracking Index (CTI) PLC 0 UL 746A Dielectric Strength 18 kV/mm ASTM D149 High Voltage Arc Tracking Rate (HVTR) PLC 1 UL 746A Volume Resistivity 1.0E+16 ohms-cm ASTM D257 Volume Resistivity 1.0E+16 ohms-cm IEC 60093 Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C	6.0 mm	PLC 4	
3.0 mm	High Amp Arc Ignition (HAI)		UL 746A
6.0 mm	1.5 mm	PLC 0	
Comparative Tracking Index (CTI) PLC 0 UL 746A Dielectric Strength 18 kV/mm ASTM D149 High Voltage Arc Tracking Rate (HVTR) PLC 1 UL 746A Volume Resistivity 1.0E+16 ohms·cm ASTM D257 Volume Resistivity 1.0E+16 ohms·cm IEC 60093 Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B UL 746B 1.0 mm 60.0 °C 60.0 °C 3.0 mm 60.0 °C 60.0 °C RTI Imp UL 746B UL 746B 1.0 mm 60.0 °C 60.0 °C 1.5 mm 60.0 °C UL 746B 1.0 mm 60.0 °C UL 746B 1.0 mm 60.0 °C UL 746B 1.0 mm 60.0 °C UL 746B	3.0 mm	PLC 0	
Dielectric Strength 18 kV/mm ASTM D149 High Voltage Arc Tracking Rate (HVTR) PLC 1 UL 746A Volume Resistivity 1.0E+16 ohms·cm ASTM D257 Volume Resistivity 1.0E+16 ohms·cm IEC 60093 Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B UL 746B 1.0 mm 60.0 °C 60.0 °C 3.0 mm 60.0 °C UL 746B 1.0 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 1.0 mm 60.0 °C UL 746B 1.0 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B	6.0 mm	PLC 0	
High Voltage Arc Tracking Rate (HVTR) PLC 1 UL 746A Volume Resistivity 1.0E+16 ohms·cm ASTM D257 Volume Resistivity 1.0E+16 ohms·cm IEC 60093 Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	Comparative Tracking Index (CTI)	PLC 0	UL 746A
Volume Resistivity 1.0E+16 ohms·cm ASTM D257 Volume Resistivity 1.0E+16 ohms·cm IEC 60093 Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B 1.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C	Dielectric Strength	18 kV/mm	ASTM D149
Volume Resistivity 1.0E+16 ohms·cm IEC 60093 Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B 1.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C	High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746A
Arc Resistance PLC 7 ASTM D495 Thermal Value Test Method RTI Elec UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C	Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Thermal Value Test Method RTI Elec UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C	Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
RTI Elec UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C	Arc Resistance	PLC 7	ASTM D495
1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 6.0 mm 60.0 °C 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C	Thermal	Value	Test Method
1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	RTI Elec		UL 746B
3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C UL 746B 1.0 mm 60.0 °C 0.0 °C	1.0 mm	60.0°C	
6.0 mm 60.0 °C RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	1.5 mm	60.0°C	
RTI Imp UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	3.0 mm	60.0°C	
1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	6.0 mm	60.0 °C	
1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	RTI Imp		UL 746B
3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C			
6.0 mm 60.0 °C RTI Str UL 746B 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C	1.5 mm		
RTI Str 1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm UL 746B	3.0 mm		
1.0 mm 60.0 °C 1.5 mm 60.0 °C 3.0 mm 60.0 °C		60.0°C	
1.5 mm 60.0 °C 3.0 mm 60.0 °C	RTI Str		UL 746B
3.0 mm 60.0 °C	1.0 mm		
	1.5 mm		
6.0 mm 60.0 °C			
	6.0 mm	60.0 °C	

UL LLC ©2023. All rights reserved. | www.ul.com

Page 1 of 2

Form Number: E115797-104597199

Report Date: 6/3/1988
Last Revised: 11/8/2022 11:13:45 PM

Component - Plastics

File Number: E115797



Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796

Notice of Disclaimer

By accessing this Yellow Card data information sheet and the database from which this information was generated (the "Yellow Card"), the user acknowledges and accepts the terms and conditions upon which this Yellow Card is made available. This Yellow Card, the database from which it was generated, and all related materials, support, and services, are made available by UL for use only by permission and "as is", without any representation or warranty of any kind, express or implied, including but not limited to any implied warranties of merchantability, fitness for a particular purpose or that the products identified in this Yellow Card will satisfy the user's requirements. UL cannot and does not warrant that the data contained in this Yellow Card is current, accurate, or complete. The user must independently confirm the conformance of any product to the applicable standards or requirements with the manufacturer of that product. Permission to access this Yellow Card may be withdrawn at any time by UL in its sole discretion. The identification of products and companies on this Yellow Card does not in any way imply endorsement of those products or companies by UL. UL does not assume and expressly disclaims, liability to any person for any loss or damage (including lost profits, lost savings, or any indirect, special, incidental, consequential or punitive damages whether or not UL has been advised of the possibility of such damages) arising out of, or in connection with, the use of this Yellow Card regardless of the cause or causes of such loss or damage.