

LOTTE CHEMICAL CORPORATION

56 GOSAN-RO

UIWANG-SI, GYEONGGI-DO 16073 Republic of Korea

STAREX: SG-0790(+)

Acrylonitrile Butadiene Styrene (ABS), pellets

(+) - May be replaced by one, two, or three numbers and/or letter(s)



Flame Rating	Flammability	Value	Test Method
3.0 mm, ALL	Flame Rating		UL 94
Filammability Classification	1.5 mm, ALL	НВ	
Flammability Classification	3.0 mm, ALL	НВ	
3.0 mm, ALL HB40 6.0 mm, ALL HB75 Electrical Value Test Method Hot-wire Ignition (HWI) UL 746A 1.5 mm PLC 4 3.0 mm PLC 3 High Amp Arc Ignition (HAI) UL 746A 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 6.0 mm PLC 0 6.0 mm ASTM D149 Volume Resistivity 1.0E+17 ohms cm ASTM D257 Volume Resistivity 1.0E+17 ohms cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 7.5 mm 60.0 °C 8.0 mm 60.0 °C	6.0 mm, ALL	НВ	
6.0 mm, ALL 1.5 mm, ALL 1.5 mm, ALL 1.5 mm, ALL HB40 HO-wire Ignition (HWI) HO-wire Ignition (HWII) 1.5 mm PLC 4 3.0 mm PLC 3 High Amp Arc 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
1.5 mm, ALL HB75 Electrical Value Test Method Hot-wire Ignition (HWI) UL 746A 1.5 mm PLC 4 3.0 mm PLC 3 High Amp Arc Ignition (HAI) UL 746A 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 5.0 mm PLC 0 6.0 mm ASTM D149 Volume Resistivity 1.0E+17 ohms-cm ASTM D257 Volume Resistivity 1.0E+17 ohms-cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 6.0 mm 60.0 °C <td>3.0 mm, ALL</td> <td>HB40</td> <td></td>	3.0 mm, ALL	HB40	
Electrical Value Test Method Hot-wire Ignition (HWI) UL 746A 1.5 mm PLC 4 3.0 mm PLC 3 High Amp Arc Ignition (HAI) UL 746A 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 Dielectric Strength 21 kV/mm ASTM D149 Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 7.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 7.5 mm 60.0 °C 8.0 mm 60.0 °C	6.0 mm, ALL	HB40	
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 PLC 3 High Amp Arc Ignition (HAI) UL 746A 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 Dielectric Strength 21 kV/mm ASTM D149 Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Themal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 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 60.0 °C 9 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C	1.5 mm	PLC 4	
High Amp Arc Ignition (HAI) UL 746A 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 Dielectric Strength 21 kV/mm ASTM D149 Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B UL 746B 1.5 mm 60.0 °C 60.0 °C 3.0 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 3.0 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 3.0 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 3.0 mm 60.0 °C UL 746B 1.5 mm 60.0 °C UL 746B 3.0 mm 60.0 °C UL 746B 6.0 mm 60.0 °C UL 746B 3.0 mm 60.0	3.0 mm	PLC 4	
1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 Dielectric Strength 21 kV/mm ASTM D149 Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C 3.0 mm 60.0 °C 3.0 mm 60.0 °C 8.0 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Flysical Value Test Method Dimensional Change 0.0 % ASTM D1042	6.0 mm	PLC 3	
3.0 mm	High Amp Arc Ignition (HAI)		UL 746A
6.0 mm PLC 0 Dielectric Strength 21 kV/mm ASTM D149 Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 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 60.0 °C Formal 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C A0 mm 60.0 °C A0 mm ASTM D1042	1.5 mm		
Dielectric Strength 21 kV/mm ASTM D149 Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C ASTM D1042	3.0 mm	PLC 0	
Volume Resistivity 1.0E+17 ohms·cm ASTM D257 Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C ASTM D1042 ASTM D1042	6.0 mm		
Volume Resistivity 1.0E+17 ohms·cm IEC 60093 Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 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 7 Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	Dielectric Strength	21 kV/mm	ASTM D149
Thermal Value Test Method RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	Volume Resistivity	1.0E+17 ohms·cm	ASTM D257
RTI Elec UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 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 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	Volume Resistivity	1.0E+17 ohms·cm	IEC 60093
1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C TI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	Thermal	Value	Test Method
3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C TI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Fhysical Value Test Method Dimensional Change 0.0 % ASTM D1042	RTI Elec		UL 746B
6.0 mm 60.0 °C RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	1.5 mm	60.0°C	
RTI Imp UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042			
1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	6.0 mm	60.0°C	
3.0 mm 60.0 °C 6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	RTI Imp		UL 746B
6.0 mm 60.0 °C RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	1.5 mm		
RTI Str UL 746B 1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	3.0 mm	60.0°C	
1.5 mm 60.0 °C 3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	6.0 mm	60.0°C	
3.0 mm 60.0 °C 6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042	RTI Str		UL 746B
6.0 mm 60.0 °C Physical Value Test Method Dimensional Change 0.0 % ASTM D1042			
Physical Value Test Method Dimensional Change 0.0% ASTM D1042	3.0 mm		
Dimensional Change 0.0 % ASTM D1042	6.0 mm	60.0°C	
-			Test Method
Dimensional Change 0.0 % ISO 2796			
	Dimensional Change	0.0 %	ISO 2796

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Page 1 of 2

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Component - Plastics

File Number: E115797



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