

## ASAHI KASEI CORPORATION

1-3-1 YAKO, KAWASAKI-KU, KAWASAKI-SHI KANAGAWA 210-0863 JP



## 600H

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Modified Polyphenylene Ether Resin (m-PPE), pellets, Modified-

Flame Rating	Flammability	Value	Test Method
3.0 mm, ALL	Flame Rating		UL 94
6.0 mm, ALL   HB     Flammability Classification   IEC 60695-11-10, -20     3.0 mm, ALL   HB40     6.0 mm, ALL   HB40     1.5 mm, ALL   HB75     Electrical   Value   Test Method     Hot-wire Ignition (HWI)   UL 746     1.5 mm   PLC 2     3.0 mm   PLC 0     6.0 mm   PLC 1     High Amp Arc Ignition (HAI)   UL 746     1.5 mm   PLC 4     3.0 mm   PLC 4     6.0 mm   PLC 4     Comparative Tracking Index (CTI)   PLC 3   UL 746     Dielectric Strength   48 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 4   UL 746     Volume Resistivity   1.0E+15 ohms·cm   ASTM D257     Volume Resistivity   1.0E+15 ohms·cm   IEC 60093     Arc Resistance   PLC 6   ASTM D495     Electric Strength   48 kV/mm   IEC 60243-1	1.5 mm, ALL	HB	
Flammability Classification   IEC 60695-11-10, -20     3.0 mm, ALL   HB40     6.0 mm, ALL   HB40     1.5 mm, ALL   HB75     Electrical   Value   Test Method     Hot-wire Ignition (HWI)   UL 746     1.5 mm   PLC 2     3.0 mm   PLC 0     6.0 mm   PLC 1     High Amp Arc Ignition (HAI)   UL 746     1.5 mm   PLC 4     3.0 mm   PLC 4     6.0 mm   PLC 4     6.0 mm   PLC 3     Comparative Tracking Index (CTI)   PLC 3     Dielectric Strength   48 kV/mm     High Voltage Arc Tracking Rate (HVTR)   PLC 4     Volume Resistivity   1.0E+15 ohms·cm   ASTM D257     Volume Resistivity   1.0E+15 ohms·cm   IEC 60093     Arc Resistance   PLC 6   ASTM D495     Electric Strength   48 kV/mm   IEC 60243-1	3.0 mm, ALL	НВ	
3.0 mm, ALL HB40   6.0 mm, ALL HB40   1.5 mm, ALL HB75   Electrical Value Test Method   Hot-wire Ignition (HWI) UL 746   1.5 mm PLC 2   3.0 mm PLC 0   6.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   1.5 mm PLC 4   3.0 mm PLC 4   6.0 mm PLC 4   6.0 mm PLC 3 UL 746   Dielectric Strength 48 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 4 UL 746   Volume Resistivity 1.0E+15 ohms·cm ASTM D257   Volume Resistivity 1.0E+15 ohms·cm IEC 60093   Arc Resistance PLC 6 ASTM D495   Electric Strength 48 kV/mm IEC 60243-1	6.0 mm, ALL	НВ	
6.0 mm, ALL HB40   1.5 mm, ALL HB75   Electrical Value Test Method   Hot-wire Ignition (HWI) UL 746   1.5 mm PLC 2   3.0 mm PLC 0   6.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   1.5 mm PLC 4   3.0 mm PLC 4   6.0 mm PLC 4   6.0 mm PLC 3 UL 746   Dielectric Strength 48 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 4 UL 746   Volume Resistivity 1.0E+15 ohms·cm ASTM D257   Volume Resistivity 1.0E+15 ohms·cm IEC 60093   Arc Resistance PLC 6 ASTM D495   Electric Strength 48 kV/mm IEC 60243-1	Flammability Classification		IEC 60695-11-10, -20
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Electrical   Value   Test Method     Hot-wire Ignition (HWI)   UL 746     1.5 mm   PLC 2     3.0 mm   PLC 0     6.0 mm   PLC 1     High Amp Arc Ignition (HAI)   UL 746     1.5 mm   PLC 4     3.0 mm   PLC 4     6.0 mm   PLC 4     Comparative Tracking Index (CTI)   PLC 3   UL 746     Dielectric Strength   48 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 4   UL 746     Volume Resistivity   1.0E+15 ohms·cm   ASTM D257     Volume Resistivity   1.0E+15 ohms·cm   IEC 60093     Arc Resistance   PLC 6   ASTM D495     Electric Strength   48 kV/mm   IEC 60243-1	6.0 mm, ALL	HB40	
Hot-wire Ignition (HWI) UL 746   1.5 mm PLC 2   3.0 mm PLC 0   6.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   1.5 mm PLC 4   3.0 mm PLC 4   6.0 mm PLC 4   Comparative Tracking Index (CTI) PLC 3 UL 746   Dielectric Strength 48 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 4 UL 746   Volume Resistivity 1.0E+15 ohms·cm ASTM D257   Volume Resistivity 1.0E+15 ohms·cm IEC 60093   Arc Resistance PLC 6 ASTM D495   Electric Strength 48 kV/mm IEC 60243-1	1.5 mm, ALL	HB75	
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3.0 mm PLC 0   6.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   1.5 mm PLC 4   3.0 mm PLC 4   6.0 mm PLC 4   Comparative Tracking Index (CTI) PLC 3 UL 746   Dielectric Strength 48 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 4 UL 746   Volume Resistivity 1.0E+15 ohms·cm ASTM D257   Volume Resistivity 1.0E+15 ohms·cm IEC 60093   Arc Resistance PLC 6 ASTM D495   Electric Strength 48 kV/mm IEC 60243-1	Hot-wire Ignition (HWI)		UL 746
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1.5 mm PLC 4   3.0 mm PLC 4   6.0 mm PLC 4   Comparative Tracking Index (CTI) PLC 3 UL 746   Dielectric Strength 48 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 4 UL 746   Volume Resistivity 1.0E+15 ohms·cm ASTM D257   Volume Resistivity 1.0E+15 ohms·cm IEC 60093   Arc Resistance PLC 6 ASTM D495   Electric Strength 48 kV/mm IEC 60243-1	6.0 mm	PLC 1	
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Electric Strength 48 kV/mm IEC 60243-1	Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
•	Arc Resistance	PLC 6	ASTM D495
	Electric Strength	48 kV/mm	IEC 60243-1
Thermal Value Test Method	Thermal	Value	Test Method
RTI Elec UL 746	RTI Elec		UL 746
1.5 mm 65.0 °C	1.5 mm	65.0 °C	
3.0 mm 65.0 °C	3.0 mm	65.0 °C	
6.0 mm 65.0 °C	6.0 mm	65.0 °C	
RTI Imp UL 746	RTI Imp		UL 746
1.5 mm 65.0 °C	1.5 mm	65.0 °C	
3.0 mm 65.0 °C	3.0 mm	65.0 °C	
6.0 mm 65.0 °C	6.0 mm	65.0 °C	
RTI Str UL 746	RTI Str		UL 746
1.5 mm 65.0 °C	1.5 mm	65.0 °C	
3.0 mm 65.0 °C	3.0 mm	65.0 °C	
6.0 mm 65.0 °C	6.0 mm	65.0 °C	
Physical Value Test Method	Physical	Value	Test Method
Dimensional Stability 0.0 % ASTM D1042	Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability 0.0 % ISO 2796	Dimensional Stability	0.0 %	ISO 2796

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Form Number: E82268-250794

## Component - Plastics

File Number: E82268



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