



Component - Plastics

File Number: E162823

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

201 TUNG HWA N RD

TAIPEI, 105 Taiwan



TAIRIREX: HP825(H)

Polystyrene (PS), pellets

(H) - Replace by one digital 0-9 or one alphabet H, unconcerned with formula or constituent changed

Flammability	Value	Test Method
Flame Rating		
0.8 mm, ALL	HB	UL 94
1.0 mm, ALL	HB	UL 94
1.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
0.8 mm, ALL	HB75	IEC 60695-11-10, -20
1.0 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.8 mm	PLC 4	
1.0 mm	PLC 4	
1.5 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
0.8 mm	PLC 3	
1.0 mm	PLC 3	
1.5 mm	PLC 3	
Comparative Tracking Index (CTI)	PLC 2	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.8 mm	50.0 °C	
1.0 mm	50.0 °C	
1.5 mm	50.0 °C	
3.0 mm	50.0 °C	
RTI Imp		UL 746
0.8 mm	50.0 °C	
1.0 mm	50.0 °C	
1.5 mm	50.0 °C	
3.0 mm	50.0 °C	
RTI Str		UL 746
0.8 mm	50.0 °C	
1.0 mm	50.0 °C	
1.5 mm	50.0 °C	
3.0 mm	50.0 °C	