



Component - Plastics

File Number: E109088

POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME



FORTRON" or "DURAFIDE: 1140A6(g)(f2)

Polyphenylene Sulfide (PPS), pellets

- (f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.
- (g) - Virgin and regrind from 1 to 50% by weight incl. have the same basic material properties except RTI is 160 C @ a min. thickness of 1.5mm for the Mechanical w/ Impact property for regrind 26 to 50% incl.. In addition, the 5VA flame rating was tested only in the virgin material.

Flammability	Value	Test Method
Flame Rating		UL 94
0.38 mm, ALL	V-0	
0.8 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.38 mm, ALL	V-0	
0.8 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.8 mm	PLC 3	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.8 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 4	
Comparative Tracking Index (CTI)	PLC 4	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.38 mm	130 °C	
0.8 mm	220 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
RTI Imp		UL 746
0.38 mm	130 °C	
0.8 mm	200 °C	
1.5 mm	200 °C	
3.0 mm	200 °C	





Thermal	Value	Test Method
RTI Str		UL 746
0.38 mm	130 °C	
0.8 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796
Outdoor Suitability	f2	UL 746C

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

