



# Component - Plastics

File Number: E109088

## POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME, MINATO-KU TOKYO 108-8280 JP



## FORTRON" or "DURAFIDE: 1140(a)(e)(k)(#)(f2)

Polyphenylene Sulfide (PPS), pellets

- (#) - 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.
- (a) - May be followed by an A, B or L to indicate lubricity.
- (e) - May be followed by a one digit number 0-9 incl. to indicate molecular weight.
- (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.
- (k) - May be followed by a one digit number 0-9 incl. to indicate customer number.

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	
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	
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	

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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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