



FINE PRODUCTS PRIVATE LIMITED

H 938 – 939 & 940, RIICO Indl Area
Chopanki, Bhiwadi – 301019, Dist Alwar (Raj)
Tel: +91 – 7231860009

Web: www.fineproducts.net.in / Email: fpplindia@gmail.com
(FPPL/8.1/FO3/RO)

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PRODUCT DATA SHEET

						VARIATION AFTER AGEING					
PROPERTIES	SPECIFIC GRAVITY	HARDNESS SHORE A		THERMAL STABILITY @ 200°C (min)	TENSILE STRENGTH	ELONGATION AT BREAK	TENSILE STRENGTH	ELONGATION AT BREAK	VOLUME RESISTIVITY @ 27°C	LOSS OF MASS	APPLICATION
UNIT	-	Nos		Minutes	N/mm ² (min)	% (min.)	%	%	ohm.cm ²	mg/cm ² (max)	
TEST METHOD	ASTM D-792	ASTM	D-	IS 5831	IS 10180(Part7)	IS 10180 (Part7)	IS 10180 (Part11)	IS 10180 (Part11)	IS 3396(Part10)	IS 10810 (Part10)	
Grade											
FP11	1.45 ± .02	90 ± 2		90	12.5	150	± 20	± 20	5.5 X10 ¹³	<2	Type A Insulation
FP12	1.39 ± .02	90 ± 2		90	12.5	150	± 20	± 20	6.5 X10 ¹³	<2	Type A Insulation
FP13	1.38 ± .02	90 ± 2		90	12.5	150	± 20	± 20	5.5 X10 ¹³	<2	Type A Insulation
FP15	1.38 ± .02	91 ± 2		90	12.5	150	± 20	± 20	7.5 X10 ¹³	<2	Type A Insulation
FP16	1.39 ± .02	91 ± 2		90	12.5	150	± 20	± 20	9.5 X10 ¹³	<2	Type A Insulation
FP81	1.38 ± .02	95 ± 2		100	12.5	150	± 20	± 20	1.2 X10 ¹⁵	<2	Type B Insulation
FP82	1.44 ± .02	95 ± 2		100	12.5	150	± 20	± 20	1.2 X10 ¹⁵	<2	Type B Insulation
FP71	1.4 ± .02	90 ± 2		100	12.5	150	± 20	± 20	5 X10 ¹⁴	<2	Type C / HR Insulation
FP73	1.38 ± .02	90 ± 2		100	12.5	150	± 20	± 20	5 X10 ¹⁴	<2	Type C / HR Insulation
FP51 #	1.55 ± .02	92 ± 2		90	12.5	150	± 20	± 20	3.0 X10 ¹³	<2	FRLS
FP52 #	1.55 ± .02	92 ± 2		90	12.5	150	± 20	± 20	5.0 X10 ¹³	<2	FRLS
FP55 #	1.54 ± .02	90 ± 2		90	12.5	150	± 20	± 20	5.0 X10 ¹³	<2	FRLS
FP42 A @	1.55 ± .02	90 ± 2		55	12.5	150	± 20	± 20	N/A	<2	FRST1 Sheathing
FP42 B @	1.54 ± .02	92 ± 2		80	12.5	150	± 20	± 20	N/A	<2	FRST2 Sheathing
FP21	1.55 ± .02	85 ± 2		55	12.5	150	± 20	± 20	N/A	<2	ST1 Sheathing
FP33	1.54 ± .02	90 ± 2		80	12.5	150	± 20	± 20	N/A	<2	ST2 Sheathing

1) # Smoke Density Rating: 56% max/# HCL: 20%Min./#@ Temp.Index: 280° C Min/ #@ LOI: 31% Min.

2) The above properties are indicative and represent the values as tested in our laboratories.

3) Suitability of the product for particular application may be verified before use.

4) Mentioned products are from a very General Category of products in our bucket list which can always be modified as per customer requirements. Advanced form of compounds like those related to UL grade and others can always be made available upon customer's request.



Prepared by
Supervisor

Checked by
Manager QA

Authorised by
Director / MR