



# FINE PRODUCTS PRIVATE LIMITED

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 (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	TENSILE STRENGTH	ELONGATION AT BREAK	TENSILE STRENGTH	ELONGATION AT BREAK	VOLUME RESISTIVITY @ 27°C	LOSS OF MASS	APPLICATION
UNIT	-	Nos	Minutes	N/mm <sup>2</sup> (min)	% (min.)	%	%	ohm.cm <sup>2</sup>	mg/cm <sup>2</sup> (max)	
TEST METHOD	ASTM D-792	ASTM D-2240	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 <sup>13</sup>	>2	Type A Insulation
FP12	1.39 ± .02	90 ± 2	90	12.5	150	± 20	± 20	6.5 X10 <sup>13</sup>	>2	Type A Insulation
FP13	1.38 ± .02	90 ± 2	90	12.5	150	± 20	± 20	5.5 X10 <sup>13</sup>	>2	Type A Insulation
FP15	1.38 ± .02	91 ± 2	90	12.5	150	± 20	± 20	7.5 X10 <sup>13</sup>	>2	Type A Insulation
FP16	1.39 ± .02	91 ± 2	90	12.5	150	± 20	± 20	9.5 X10 <sup>13</sup>	>2	Type A Insulation
FP81	1.38 ± .02	95 ± 2	100	12.5	150	± 20	± 20	1.2 X10 <sup>15</sup>	>2	Type B Insulation
FP82	1.44 ± .02	95 ± 2	100	12.5	150	± 20	± 20	1.2 X10 <sup>15</sup>	>2	Type B Insulation
FP71	1.4 ± .02	90 ± 2	100	12.5	150	± 20	± 20	5 X10 <sup>14</sup>	>2	Type C / HR Insulation
FP73	1.38 ± .02	90 ± 2	100	12.5	150	± 20	± 20	5 X10 <sup>14</sup>	>2	Type C / HR Insulation
FP51 #	1.55 ± .02	92 ± 2	90	12.5	150	± 20	± 20	3.0 X10 <sup>13</sup>	>2	FRLS
FP52 #	1.55 ± .02	92 ± 2	90	12.5	150	± 20	± 20	5.0 X10 <sup>13</sup>	>2	FRLS
FP55 #	1.54 ± .02	90 ± 2	90	12.5	150	± 20	± 20	5.0X10 <sup>13</sup>	>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

- # Smoke Density Rating: 56% max/# HCL: 20% Max/#@ Temp. Index: 280° C Min/ #@ LOI: 31% Min.
- The above properties are indicative and represent the values as tested in our laboratories.
- Suitability of the product for particular application may be verified before use.
- 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.



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