

SATELLITE INDUSTRIES

Plot No 2802/C , 3rd Phase, G.I.D.C, Umbergam, Dist-Valsad, Gujarat -396171

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Name: Black PF(Bakelite) Powder (SI-911)

Grade: SI-911

Color: Black

Filler: Wood Flour

Moulding Process: Compression, Transfer

Features: Low water absorption, very low shrinkage and high heat resistance, electrical resistance.

Powder Properties:

Apparent Density	gm/ml	0.6-0.63
Bulk Factor	----	2.16-2.30
Shrinkage	cm/cm	0.007-0.009
Pelleting	----	Good

Physical Properties:

Impact Strength	Kg-cm	1.8-2.2
Tensile Strength	kg/cm ²	380-420
Cross Breaking strength	kg/ cm ²	600-700
Specific Gravity	----	1.36-1.38

Electrical Properties:

Electrical Strength at 90 °C	V/mm	2500-3000
Volume resistivity	log10 ohm-cm	8.0-8.5
Surface resistivity	log10ohm	8.0-8.5

Rate of cure

Min. cure at 160°C	sec/mm	40-55
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