

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-650)

Grade: SI-650

Color: Black

Filler: Wood Flour

Moulding Process: Compression, Transfer

Features: Excellent mould ability, Low shrinkage with high Electrical and mechanical stability.

Powder Properties:

Apparent Density	gm/ml	0.65-0.67
Bulk Factor	----	2.06-2.27
Shrinkage	cm/cm	0.005-0.007
Pelleting	----	Good

Physical Properties:

Impact Strength	Kg-cm	2.5-3.0
Tensile Strength	kg/cm ²	460-660
Cross Breaking strength	kg/ cm ²	720-890
Specific Gravity	----	1.34-1.36

Electrical Properties:

Electrical Strength at 90 °C	V/mm	6000-8000
Volume resistivity	log10 ohm-cm	10.0-11.5
Surface resistivity	log10ohm	9.5-11.0

Rate of cure

Min. cure at 160°C	sec/mm	40-55
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