

SATELLITE INDUSTRIES

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

Phone Number: +91-9998640097/9820771016/9824336770

Email: satellite.ltd@gmail.com

Website: satelliteindustries.co.in

Name: Natural PF(Bakelite) Powder (SI-163)

Grade: SI-163

Color: Natural

Filler: Chopped Fabric

Moulding Process: Compression, Transfer

Features: Improved Heat Resistance, Surface Finish and Mould Stability.

Powder Properties:

Apparent Density	gm/ml	0.2-0.3
Bulk Factor	----	4.60-7.0
Shrinkage	cm/cm	0.003-0.006
Pelleting	----	Poor

Physical Properties:

Impact Strength	Kg-cm	10.0-18.0
Tensile Strength	kg/cm ²	400-500
Cross Breaking strength	kg/ cm ²	670-770
Specific Gravity	----	1.38-1.40
Plastic yield at 180°C	Mm	4-6

Electrical Properties:

Electrical Strength at 90°C	V/mm	1500-3000
Volume resistivity	log10 ohm-cm	9.0-9.5
Surface resistivity	log10ohm	8.9-9.2

Other Properties:

Water absorption	Mg	70-90
Coefficient of linear thermal expansion per °C		0.000035-0.000045

Rate of cure:

Min. cure at 160°C	sec/mm	50-80
--------------------	--------	-------

Moulding conditions:

Recommended moulding temp.	°C	150-165
Recommended moulding pressure	kg/ cm ²	250-450