



Electricals Insulating Epoxy Dotted Paper

Product and Images

Technical Specification

Epoxy Dotted Paper



Technical Specification Epoxy Dotted Paper (Specification: IEC60641-3-2 P4.1)					
Properties	Units	3 mil	5 mil	8 mil	10 mil
Thickness	mm	0.075	0.125	0.200	0.250
Thickness, Range	mm	0.068 to 0.08	0.112 to 0.138	0.18 to 0.22	0.23 to 0.28
Apparent Density (Range)	g/cc	1.0 – 1.2	1.0 – 1.2	1.0 – 1.2	1.0 – 1.2
Tensile strength (min) MD	Mpa	80	80	80	80
CD		40	40	40	40
Shrinkage (min) MD	%	1	1	1	1
CD		1.5	1.5	1.5	1.5
PD		7	7	7	7
Moisture content (max)	%	8	8	8	8
Ash content (max)	%	1	1	1	1
Conductivity of aqueous extract(max)	mS/m	8	8	8	8
pH of aqueous extract (Range)	6 - 9	6 - 9	6 - 9	6 - 9	6 - 9
Electric strength in Air, (min)	kV/mm	11	11	10	10
Electric strength in Oil, (min)	kV/mm	60	60	55	55
Recommended curing temperature	^o C	120 to 140	120 to 140	120 to 140	120 to 140
Recommended curing time	Hrs	6 - 8	6 - 8	6 - 8	6 - 8
Bonding Shear Strength @ 140 Deg C for 6 hours & load 2 psi	psi	60 - 70	80 - 90	80 - 90	70 - 80