

Datasheet

Grade 4 Presspaper

RS Stock number 775-7790



Description:

This cotton ("rag") grade has proved to be one of the most successful electrical Presspapers and has been in continuous production for well over 60 years.

ELEPHANTIDE® Grade 4 Presspaper exhibits a unique combination of superior electrical strength, mechanical toughness and flexibility and has proved durability under the most arduous service conditions. The furnish is made up of 100% new cotton threads which are mechanically and hydraulically processed before forming on a multi-cylinder machine.

Continuous improvements have been made by taking advantage of better raw material sources and modern developments in processing techniques.



Technical Data			
Standards Achieved	BS EN 60641 P.4.2 Pressboards and Presspapers for Electrical Purposes		
Furnish	Cotton 100%		
Colour	Blue		
Thickness Tolerance	+/- 10%		
Parameter	Unit	Typical Values	
Apparent Density	g/cm ³	1.05 to 1.20	
Tensile Strength			
MD	N/mm ²	75 to 90	
CMD	N/mm ²	32 to 43	
Electric Strength	KV/mm	In Air	In Oil
0.127 mm		14.0	74 to 88
0.18 mm		14.5	70 to 88
0.25 mm		13.5	68 to 77
0.30 mm		12.0	60 to 74
0.40 mm		10.5	52 to 63
0.50 mm		10.5	50 to 53
Conductivity	mS/m	2.5 to 5.0	
pH of Aqueous Extract		7.5 to 8.0	
Ash Content	%	0.2 to 0.35	