DSM 3.2.7

Synthetic Phenolic Bonded Paper (SRBP)

General:

SRBP is a low cost commercial paper based laminate made from phenolic paper, wood fibre and a phenolic polymer. When heat and pressure are applied to the layers, a chemical reaction transforms the layers into a high pressure thermosetting industrial laminated plastic.

Phenolic paper laminated plastics are strong, rigid and very economical. They have good electrical insulating properties and are used in a wide range of electrical installations in equipment where rigid electrical insulation is required.

The higher specification grades are chosen for higher voltage and for greater electrical stability in conditions of varying humidity.

ASM (DEK) Applications:

The lower cost **Grade 1P/13** often used for insulation components with low power voltages being easy to machine and can be hot punched in thickness up to 3.2mm. Not usually chosen where toughness, bearing properties or high stress carrying capabilities are required.

Profiles:

Sheet: 0.8, 1.0, 1.6, 2.0, 3.0, 3.2, 4.0, 5.0, 6.0, 6.4, 8, 9.5, 10, 12, 12.7, 16, 19, 20, 25 & 25.4mm

Specifications:

SPECIFICATION COMPARISON	
BRITISH: BS	EN 60893-3-4 Type PF CP 201
AMERICAN: NEMA	LI 1-1989 Grd XP
TUFNEL GRADE	Grade 1P/13

These values are representative. For critical applications, refer to data-sheet.

MECHANICAL PROPERTIES					
	HARDNESS Shore A	TENSILE STRENGTH:	YOUNGS MODULUS:	POISSONS RATIO:	DENSITY:
SRBP	---	**164** MPa	**10.4 GPa**	**0.38**	**1360** Kg/m^3

Alternatives:

Alternatives are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

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DCR	42122	44832							