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DATA: 1.Ott.1993	COMBINED FLEXIBLE INSULATING MATERIALS: RO/C	Codice ROC
Pag:		Scheda 01.1 GB tecnica
		Gruppo C

DESCRIPTION

Two materials are laminated together: Polyester film for electrical insulation in accordance with DIN IEC 674 and special presspaper Psp 3040 in accordance with DIN 7733.

1 layer of paper+film=

RO/C-2 PLIES

1 layer of paper+film+1 layer of paper=**RO/C-3 PLIES**

Film thickness can be of 25: **RO/C-2,5M** or 50 micron: **RO/C-5M**

USE

Slot insulation, slot closure, layer insulation.

CHARACTERISTICS

Presspaper has good absorbency of impregnating varnishes and resins, thus providing excellent bonding of all winding components. This material has smooth surface, therefore good machinability.

INSULATION CLASS: In accordance with VDE 0530, Part 1: **B (130° C)**

TECHNICAL SPECIFICATIONS

Conditioning: Standard reference Atmosphere 23/50	Test standard	Unit	RO/C-2,5M 2 PLIES(*)	RO/C-2,5M 3 PLIES(*)	RO/C-5M 2 PLIES(*)	RO/C-5M 3 PLIES(*)
Film thickness	DIN 7739	mm	0,023	0,023	0,05	0,05
Material density	DIN 7739	g/m ³	1,25	1,2	1,3	1,25
Tensile strength	DIN 7739					
	non-folded-min	M.D.	N/mm ²	100	100	100
		C.M.D.	N/mm ²	70	70	70
	Folded-min	M.D.	N/mm ²	70	70	70
		C.M.D.	N/mm ²	60	60	60
Elongation	DIN 7739					
	non-folded-min	M.D.	%	5	5	5
		C.M.D.	%	14	14	12
	Folded-min	M.D.	%	3	3	3
		C.M.D.	%	10	10	10
Tear resistance (Eyelet method)	DIN 7734					
	M.D.	N	180	110	250	200
	C.M.D.	N	250	130	200	250
Dielectric strength	DIN 53481					
	Non folded-min	KV	7	7	8	9
	Folded-min	KV	6	6	7	8

(*) Mean values based on the measurements of materials of indicated thickness.

M.D.: Machine direction. C.M.D.: Cross machine direction

AVAILABILITY: Rolls width mm. 750-1.000; about. kg. 50

Reels from 10 mm. minimum kg. 50; Tolerances in accordance to DIN 40600

Available thicknesses:

RO/C 2,5M-2 and 3 Plies: mm.0,13 0,18 0,23 0,28 0,33 0,38

RO/C. 5M-2 and 3 Plies: mm.0,15 0,20 0,25 0,30 0,35 0,40 0,45

STORAGE: In the condition as delivered RO/C has a moisture content of 6-8%, which is necessary for maintaining good process ability. By storing the material either in undamaged original packaging or at room temperature of approx. 20°C. and approx. 65% relative humidity, it remains unchanged

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