



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Ranprex & Dehonit Transformer Wood Comparative Data Sheet

Description: High strength thermoset laminates consisting of phenolic resin impregnated beechwood veneers manufactured according to IEC 61061 standards.

Standard: IEC 61061; Grade "C2R"

Availability:	Laminated Sheet:	Thickness:	English units	SI Units
			0.39"-4.72"(-0/+0.078")	10mm-120mm(-0/+2mm)
	Sheet Sizes:		48"x98"(standard)	1250mmx2500mm(Stand.)

Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers.

Key Characteristics:	Units - SI	Test Method		Test Method	
			Dehonit		Ranprex
IEC61061 Grade			C2R		C2R
Density	g/cm ³	IEC61061	0.95	IEC61061	0.9-1.1
Oil Absorption	%	IEC61061	25	IEC61061	30
Flexural Strength	N/mm ²	ISO178	120	ISO178	180
Modulus of Elasticity	N/mm ²	ISO178	11000	ISO178	700
Compressive Strength(perpendicular)	N/mm ²	ISO604	200	ISO604	240
Compressive Strength(parallel)	N/mm ²	ISO604	70	ISO604	70
Tensile Strength	N/mm ²	ISO527	80	ISO527	80
Impact Strength(perpendicular)	kJ/m ²	DIN53453	33	IEC61061	30
Impact Strength(parallel)	kJ/m ²	DIN53453	28	IEC61061	22
Electrical Strength(perpendicular)	kV/mm	--	--	IEC61061	15
Electrical Strength(parallel)	kV/mm	DIN53482	70(@20C)	IEC61061	>80
Dielectric Loss Factor(50Hz,20C)	Tan δ	DIN53483	0.02	IEC250	0.01
Comparative Track Resistance	CTI	IEC60112	225	IEC60112	300

Note: Above test results represent mean values.

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