



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
 POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Low Power Factor Paper Phenolic Laminate, Grade 2061 – European Test Method Data

Description: Low Power Factor Paper Phenolic Laminate Grade 2061 is constructed from electrical grade kraft paper and a specially modified epoxy resin system. It is designed to be used in oil filled transformer tap changers, coil support plates, and terminal panels.

Standards: NEMA LI-1 NA
 IEC 60893 NA
 MIL-I-24768 NA

Availability:	Laminate Sheets:	Thickness:	English Units	SI Units
			.062" to 2.0"	1.5 mm – 50 mm
		Sheet Sizes:	36" x 48", 39" x 48" 36" x 72", 48" x 48" 48" x 96"	91.4cm x 122cm, 99cm x 122cm 91.4cm x 182.8, 122cm x 122cm 122cm x 243.8cm

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

Key Characteristics:	Test Method	Units - English (SI)	Typical Values
Standard Color			Brown
Density	ISO 1183 / A	g/cm ³	1.4
Moisture Absorption (.500")	ISO 62 / 1	Mg	250
Compressive Strength, Flatwise (.500")	ISO 604	psi (MPa)	43,500 (300)
Flexural Strength, Lengthwise	ISO 178	psi (MPa)	21,750 (150)
Tensile Strength	ISO 527	psi (MPa)	17,400 (120)
Permittivity, 1 MHz	IEC 250		< 5.5
Bond Strength (.500")	ASTM D229	Lb (kg)	1,000 (453)
Thermal Endurance	IEC 216	°C	120
Flammability Rating – U.L.94		Class	HB
Breakdown Voltage at 90C Parallel	IEC 243	kV	15
Electric Strength at 90C In Oil / Parallel	IEC 243	VPM	128
Comparative Tracking Index	IEC 112	CTI	100

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