



CT Gasket & Polymer Co., Inc.

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Phenolic CE & LE

Phenolics are the oldest, best known general-purpose thermoset resins. Phenolic laminates are ideal for applications that require dimensional stability, low creep, and high flexural strength.

This material is available in two standard grades; Canvas grade CE and Lined based LE. CE contains a medium weave canvas used primarily for electrical applications while the LE contains a fine weave linen more suitable for fine machining applications such as gears and bearings.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNITS	ASTM	CE	LE
Specific Gravity, 73 Deg. F.	-	D792	1.35	1.34
Tensile Strength, 73 Deg. F.	psi	D-638	9,500	12,500
Flexural Strength, 73 Deg. F.	psi	D-790	17,000	15,000
Modulus of Elast. In Flex.	psi	D-790	950	1,050
Shear Strength, 73 Deg. F.	psi	D-732	11,500	11,750
Compressive Strength	psi	D-695	37,000	37,000
Continuous Service Temp., Air, Max.	Deg. F.	-	265	265
Flame Resistance - UL Class			94HB	94HB
Hardness - Rockwell M	-	D-2240	1.9, 1.4	1.1, 1

This information is only to assist and advise you on current technical knowledge and is given without obligation or liability.