



NP664

TECHNICAL DATA BULLETIN

GRADE: NP664

NEMA GRADE: XPC

U. L. LISTED: Y

DESCRIPTION: Low cost room temperature punching grade with mechanical and electrical properties similar to NP612. This version is made with pigment cover plies on the surface.

THICKNESS TESTED: 0.062", 0.125" & 0.500"

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Specific Gravity	-	1.37
Rockwell Hardness (.062")	M Scale	90
Moisture Absorption (.062")	%	5.5
Flexural Strength (.062") LW	psi	26,000
CW		24,000
Flexural Modulus (.062" LW	kpsi	1,200
CW		1,000
Tensile Strength (.125") LW	psi	22,500
CW		12,500
Izod Impact Strength E-48/50 (.500") LW	ft-lb/in	.67
CW	notched	.62
Compressive Strength flatwise (.500")	psi	30,000
Bond Strength (.500")	lb	1,100
Shear Strength (perpendicular) (.062")	psi	11,000



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THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE
Maximum Operating Temperature	°C	1301
Coefficient of Thermal Expansion X-axis (.062") Y-axis	" / °C x 10 ⁻⁶	18.0 20.0
Flammability Rating - U. L. 94	Class	HB
Breakdown Voltage Condition - A (.062") D-48/50	kV	60 10
Electric Strength Condition - A (.062") D-48/50	V/mil	500 300
Arc Resistance (.125") D-495	sec	110
Comparative Tracking Index (.125") D3638	-	180

¹ NEMA LI-6: This temperature is a recommendation only, and based upon experience in various applications. The maximum operating temperature is dependent upon the application and should be investigated prior to use.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values".

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