

NP504WR

TECHNICAL DATA BULLETIN

GRADE: NP504WR

NEMA GRADE: --

U. L. LISTED: N

DESCRIPTION: NP504WR is a phenolic resin combined with a heavy weight glass fabric, 24 or 30 oz depending on the application and machining requirements. NP504WR is designed for structural applications.

THICKNESS TESTED: 0.062", 0.125" & 0.500"

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Specific Gravity (0.062")	-	2.18
Rockwell Hardness (0.500")	M Scale	110
Moisture Absorption (0.500") Condition Di-24/23	%	1.40
Flexural Strength (0.500") Condition A	LW / CW psi	23,200 / 17,200
Tensile Strength (0.500") Condition A	LW / CW psi	63,000 / 39,000
Izod Impact Strength (0.500") Condition E-48/50	LW / CW ft-lb/in notched	15.0 / 15.0
Bonding Strength (0.500) Condition A	lb	400
Compressive Strength (0.250") Condition A	Flatwise ¹ / Edgewise psi	65,000 / 39,000

¹ Flatwise – the force is applied perpendicular to the laminations, and Edgewise it is applied parallel to the laminations.

THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE
Flammability Rating - U. L. 94 (0.062")	Class	V-0

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".

To assure the material's performance is adequate for a specific application; customers should verify, independent of Norplex-Micarta, performance characteristics of interest.

It is the responsibility of the users of this information to make sure that they have the latest version of this TDB, and are urged to check with Customer Service or, preferably our web site, www.norplex-micarta.com, to determine if information is most current.

Specification writers: Contact Norplex-Micarta for specification values before submission.