



# Micarta<sup>®</sup>

## Micarta<sup>®</sup> Grade H-24899

### Product Description:

This is a self lubricating cotton phenolic.

### Applications:

- Bearings • Pistons • Packing Rings

### Typical Properties:

Density	.053lb/in <sup>3</sup>	Water Absorption	2.0%
Hardness (Rockwell)	109M	Bonding Strength	1,600psi
Compressive Strength (with grain)	30,000psi	Flexural Strength	14,000psi
Tensile Strength (with grain)	11,000psi	Impact Strength	1.5 ft-lb/in
Shear Strength (flatwise)	(N/A)	Volume Resistivity	(N/A)
Dielectric Strength (perpendicular)	(N/A)		

Plate	Micarta Grade	NEMA Grade	Specification Number & Type	Construction Resin & Substrate	Serv. Mech.	Temp °C Elec	Color
	H-24899	N/A	N/A	Cotton/Phenolic/Graphite	125	115	Black
<b>Grade H-24899</b>		<b>36" x 72"</b>	<b>36" x 48"</b>	<b>48" x 48"</b>	<b>48" x 96"</b>	<b>48" x 108"</b>	
Nominal Thickness / ins		.031-5	.031-5	.031-5	.031-5	.031-5	

## Micarta<sup>®</sup> Grade 400

## Phenolic/Canvas/Graphite

### Product Description:

This is a self lubricating canvas phenolic, which meets MIL-P-5431-A-AS.

### Applications:

- Bearings • Pistons and packing rings

### Typical Properties:

Density	.053 lb/in <sup>3</sup>	Water Absorption	1.1%
Hardness (Rockwell)	109M	Bonding Strength	2,200psi
Compressive Strength (with grain)	45,000psi	Flexural Strength	21,000psi
Tensile Strength (with grain)	13,000psi	Impact Strength	1.7 ft-lb/in
Shear Strength (flatwise)	15,000psi	Volume Resistivity	(N/A)
Dielectric Strength (perpendicular)	(N/A)		

Plate	Micarta Grade	NEMA Grade	Specification Number & Type	Construction Resin & Substrate	Serv. Mech.	Temp °C Elec	Color
	400	N/A	MIL-P-5431,MPR-400	Phenolic/Canvas/Graphite	115	125	Green
<b>Grade 400</b>		<b>36" x 72"</b>	<b>36" x 48"</b>	<b>48" x 48"</b>	<b>48" x 96"</b>	<b>48" x 108"</b>	
Nominal Thickness / ins		.031-5.	.031-5	.031-5	.031-5	.031-5	