



Micarta[®]*

Micarta[®] Grade 223

Product Description:

Grade 223 has high moisture resistance, mechanical strength, corrosion resistance, electrical strength and low coefficient of friction. QPL Mil-P-18324 Listed

Applications:

- Stern tube bearings • Pump valve disc • Gears • Cable cleats
- Rudder bearings • Pulleys • Engine mountings • Pump piston bearings

Typical Properties:

Density	.052lb/in ³	Water Absorption	01.2%
Hardness (Rockwell)	105	Bonding Strength	1,700psi
Compressive Strength (with grain)	38,000psi	Flexural Strength	1,800psi
Tensile Strength (with grain)	12,000psi	Impact Strength	1.6 ft-lb/in
Shear Strength (flatwise)	13,000psi	Volume Resistivity	(N/A)
Dielectric Strength (perpendicular)	200vpm		

Plate	Micarta Grade	NEMA Grade	Specification Number & Type	Construction Resin & Substrate	Serv. Mech.	Temp °C Elec	Color
	223	N/A	MIL-P-18324	Phenolic/Canvas	125	115	Natural
Grade 223		36" x 72"	36" x 48"	48" x 48"	48" x 96"	48" x 108"	
Nominal Thickness / ins		.031-5	.031-5	.031-5	.031-5	.031-5	