



\*\* TIVAR® is the registered trademark of

## QUADRANT

### PRODUCT CAPABILITIES:

- Rod : 3/8" - 2"
- Sheet : 1/4" - 2"

### ADVANTAGES:

- Long-wearing
- High Impact Strength
- Light In Weight
- Self-lubricating
- Abrasion And Corrosion Resistant

### PRODUCT COLORS:

- White
- Black

### APPLICATIONS INCLUDE:

- Dock Bumpers
- Protective Linings
- Conveyor Parts
- Bottling Wheels
- Bushings And Bearings
- Machined Parts
- Wear Strips
- Many Other

GENERAL PROPERTIES	ASTM or UL Test	TIVAR® 1000 Typical Values
<b>PHYSICAL</b>		
Density (g/cm <sup>3</sup> )	D792	0.93
Water Absorption, 24 hrs (%)	D570	-
<b>MECHANICAL</b>		
Tensile Strength (psi)	D638	4000
Tensile Modulus (psi)	D638	-
Tensile Elongation at Break (%)	D638	140
Flexural Strength (psi)	D790	-
Flexural Modulus (psi)	D790	125,000
Compressive Modulus (Mpa)	D695	536
Compressive Deformation (% at 454.5Kg)	D621	6 - 8
Hardness, Shore D	D785	68
IZOD No-ched Impact (ft-lb/in)	D256	No Break
<b>THERMAL</b>		
Coeff. of Thermal Expansion (x 10 <sup>-5</sup> in./in./°F)	D696	11 - 15
Heat Deflection Temp (°F / °C) @ 264 psi	D648	-
Glass Transition Temp (°F / °C)	D3418	-
Max Operating Temp (°F / °C)	-	180 / 82
Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F)	C177	-
Flammability Rating	UL94	-
<b>ELECTRICAL</b>		
Surface Resistivity (ohms/sq)	D257	10 <sup>18</sup>
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	10 <sup>18</sup>

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.