



PRODUCT CAPABILITIES:

STOCK SHAPES

- Rod : 15mm - 150mm
- Sheet : 6mm - 100mm

ADVANTAGES:

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

PRODUCT COLORS:

- Natural

APPLICATIONS INCLUDE:

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

QUADRANT

GENERAL PROPERTIES	ASTM or UL Test	PE300 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	ISO 1183	0.94
Water Absorption, 24 hrs (%)	ISO 62	0.01
MECHANICAL		
Tensile Stress (MPa)	ISO 527	23.0
Tensile Strain at Break (%)	ISO 527	> 600
Flexural Yield Strength (MPa)	-	-
Flexural Modulus (MPa)	-	-
Compressive Stress at 5% Strain (MPa)	ISO 604	29.0
Hardness, Rockwell R	ISO 2039-2	R 60
IZOD Impact Strength – Notched (kJ/m ²)	ISO 180/2A	No Break
Coefficient of Friction (Dry vs Steel)	-	-
THERMAL		
Coeff. of Thermal Expansion(x 10 ⁻⁵ in./in./°F)	-	-
Heat Deflection Temp (°F / °C) @ 1.8 MPa	ISO 75	117 / 47
Flammability Rating	UL94	HB
ELECTRICAL		
Surface Resistivity (ohms/sq)	IEC 60093	> 10 ¹³
Volume Resistivity (ohm-cm)	IEC 60093	> 10 ¹⁴

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.