



ERTALON 66-GF30

PolyAmide, Extruded Glass Filled 30%



** ERTALON® is the registered trademark of

QUADRANT

PRODUCT CAPABILITIES:

STOCK SHAPES
· Rod : 10mm-100mm

ADVANTAGES:

- Increased Tensile Strength & stiffness Compared to Conventional Unfilled Grades.
- Better Compressive Strength
- Lower Thermal Expansion Coefficient Over Conventional Unfilled Grades
- Exhibit Increased Structural & Impact Strength, And Rigidity

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Sleeve & Slide Bearings
- Conveyor Rollers
- Tension Rollers
- Gear Wheels
- Insulators
- Support & Guide Wheels

GENERAL PROPERTIES	TEST METHOD ISO / (IEC)	ERTALON 66-GF30 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	ISO1183	1.29
Water Absorption, 24 hrs (%)	62	0.39
MECHANICAL		
Tensile Strength (MPa)	527	100
Tensile Strain at Yield (%)	527	No Yield Point
Tensile Strain at Break (%)	527	5
Tensile Modulus of Elasticity (MPa)	527	5,900
Charpy Impact Strength, Un-Notched (kJ/m ²)	179/1eU	50
Charpy Impact Strength, Notched (kJ/m ²)	179/1eA	6
IZOD Impact Strength, Notched (kJ/m ²)	180/A	6
Rockwell Hardness	2039-2	M 76
THERMAL		
Coeff. of Linear Thermal Expansion (m/[m.k])	-	50 x 10 ⁻⁶
Heat Deflection Temp (°F / °C) @ 1.8 MPa	75	302 / 150
Thermal Conductivity at 23 °C (W/[m.k])	-	0.30
Melting Temperature (°F / °C)	11357	500 / 260
Flammability Rating @ (3 mm thickness)	UL-94	HB
ELECTRICAL		
Surface Resistivity (ohms/sq)	(60093)	> 10 ¹³
Volume Resistivity (ohm-cm)	(60093)	> 10 ¹⁴
Dielectric Dissipation Factor Tan δ : at 100 Hz	(60250)	0.012

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.