



ERTALON® 66-GF30

PolyAmide, Extruded Glass Filled 30%



** ERTALON ® is the registered trademark of

**MITSUBISHI CHEMICAL
ADVANCED MATERIALS**

PRODUCT CAPABILITIES:

STOCK SHAPES

- Rod : 10mm - 70mm
- Sheet : 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	ASTM or UL Test	ERTALON® 66-GF30 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.29
Water Absorption, 24 hrs (%)	D570	0.3
MECHANICAL		
Tensile Strength (psi)	527	13,500
Tensile Strain at Yield (%)	527	-
Tensile Strain at Break (%)	527	5
Tensile Modulus of Elasticity (psi)	527	675,000
IZOD Impact Strength, Notched (ft.lb./in)	D256	-
Rockwell Hardness	D785	M 76
THERMAL		
Coeff. of Linear Thermal Expansion (in.in. / °F)	E831	2 x 10 ⁻⁵
Heat Deflection Temp (°F / °C) @ 1.8 MPa	D648	400 / 204
Thermal Conductivity at 23 °C (BTU IN. /Chr.ft.²°FJ)	-	1.70
Melting Temperature (°F / °C)	D3418	500 / 260
Flammability Rating @ (3 mm thickness)	UL-94	HB
ELECTRICAL		
Surface Resistivity (ohms/sq)	ANSI / ESD STM 11.11	> 10 ¹³
Volume Resistivity (ohm-cm)	(60093)	> 10 ¹⁴
Dielectric Dissipation Factor Tan δ : at 1MHz	D150	-
Electric Strength (volts/mil)	D149	350

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.

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