



MaxGlyde™ EF Eco-Friendly Recycled UHMW



Physical Properties	Metric	English	Comments
Specific Gravity	0.94 g/cc	0.034 lb/in ³	ASTM D792
Water Absorption	Max 0.01 %	Max 0.01 %	Immersion, 24hr; ASTM D570(2)
Water Absorption at Saturation	Max 0.01 %	Max 0.01 %	Immersion; ASTM D570(2)
Mechanical Properties			
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength, Ultimate	37.9 MPa	5500 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Tensile Modulus	0.8 GPa	116 ksi	ASTM D638
Flexural Modulus	0.8 GPa	116 ksi	ASTM D790
Flexural Yield Strength	24.8 MPa	3600 psi	ASTM D790
Compressive Strength	22.8 MPa	3300 psi	10% Def., 73°F; ASTM D695
Compressive Modulus	0.689 GPa	100 ksi	ASTM D695
Coefficient of Friction	0.15	0.15	Dry vs. Steel; QTM55007
Limiting Pressure Velocity	0.0701 MPa-m/sec	2000 psi-ft/min	4:1 safety factor; QTM 55007
Abrasion	13	13	Sand Slurry; 1018 Steel = 100; ASTM D4020
Izod Impact, Notched	NB	NB	ASTM D256 Type A
Electrical Properties			
Surface Resistivity per Square	Min 1e+015 ohm	Min 1e+015 ohm	ASTM D257
Thermal Properties			
CTE, linear 68°F	160 µm/m-°C	89 µin/in-°F	(-40°F to 300°F); ASTM E831
Melting Point	127 °C	260 °F	Crystalline, Peak; ASTM D3418
Maximum Service Temperature, Air	82.2 °C	180 °F	Long Term
Deflection Temperature at 1.8 MPa (264 psi)	46.7 °C	116 °F	ASTM D648
Flammability, UL94 (Estimated Rating)	HB	HB	1/8 inch

Qualitative Processing Properties

< 175 F

Black, Yellow & Green Standard

MaxGlyde™ EF outlasts other materials such as wood, rubber, urethane or high density polyethylene. The ideal material for outwearing hardened steel, it withstands salt, fuel and chemical spills. Even after a decade in corrosive salt water, sunlight or extremely cold weather, MaxGlyde™ EF parts and wearstrips are top-notch performers. Great product for non-food sprockets and wearstrips. Wood Products, Agriculture, Industrial

All statements, technical information and recommendations contained in this database are presented in good faith, based upon tests believed to be reliable and practical field experience. The reader is cautioned, however, that MaxGlyde Products and their various raw material suppliers cannot guarantee the accuracy or completeness of this information, and it is the customer's responsibility to determine the suitability of MaxGlyde™ products in any given application.