

UHMW Plastic (virgin)

Ultra-High Molecular Weight Polyethylene

UHMW is an ultra-durable plastic sheet prized for its high impact resistance and machinability.

UHMW is also available in grades to include high-temp, ceramic-filled, conductive & ESD versions.

PROPERTIES/BENEFITS

- High Abrasion & Wear
- Impact Resistant
- Hydrophobic w/ Chemical & Corrosion Resistance
- Non-Toxic, FDA/USDA
- Low Coefficient of Friction
- High Tensile Strength
- Light Weight, Durable & Easy to Machine



APPLICATIONS

- Wear Pads, Strips & Liners
- Chain Guides
- Machinery Parts
- Marine Docks
- Wood Replacement
- Slide Pads
- Bearings & Thermal Breaks

PROPERTIES	TEST METHOD	TYPICAL RESULT
Hardness (Shore D)	ASTM D-785	66 (±5)
Specific Gravity	ASTM D-792	0.94
Elongation	ASTM D-638	300% (min)
Compressive Strength (10% deflection at 73°F (max))	ASTM D-695	3,000 psi
Tensile Strength	ASTM D -638	5,800 psi (min)
Temperature Range		180°F (max)

Request a quote: sales@grmcp.com Website: www.grmcp.com

Design/specification help: eng@grmcp.com Phone: (936) 441-5910

