

HMWPE

High-Molecular-Weight High-Density Polyethylene

Product Description

HMWPE is a high-molecular-weight, high-density polyethylene sheet with outstanding physical performance. It has high impact strength and rigidity. HMWPE has outstanding chemical resistance. Its low temperature strength and processability further characterize this highly versatile sheet product.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	0.95
Tensile Strength	ASTM D-638	3,800 psi
Tensile Elongation at Break	ASTM D-638	>600 %
Flexural Modulus	ASTM D-790	170,000 psi
Hardness - Shore D	ASTM D-2240	67
Heat Deflection Temperature (@66 psi)	ASTM D-648	160°F
Coefficient of Linear Thermal Expansion	ASTM D-696	7.0 x10-5 in/in/°F
Flammability	MVSS302	Passes
<i>*All values based on 0.125" unless otherwise stated</i>		

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