

# SP-1510 HMWPE

## High-Molecular-Weight High-Density Polyethylene

### Product Description

SP-1510 is a high-molecular-weight, high-density polyethylene sheet with superior environmental-stress crack resistance, high impact strength and rigidity. SP-1510 HMWPE has outstanding chemical resistance. Its low temperature strength and processability further characterize this highly versatile sheet product. SP-1510 is ideal for thermoforming large parts.

### 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	165,000 psi
Hardness - Shore D	ASTM D-2240	68
Heat Deflection Temperature (@66 psi)	ASTM D-648	160°F
Coefficient of Linear Thermal Expansion	ASTM D-696	7.0 x10 <sup>-5</sup> in/in/°F
Flammability	UL 94-HB	Passes @ 0.125"
		<i>*All values based on 0.125" unless otherwise stated</i>

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail [info@spartech.com](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

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