



HMWPE SP-1510

SP-1510 is a high molecular weight high density polyethylene sheet with superior environmental stress crack resistance, high impact strength and rigidity. Outstanding chemical resistance, low temperature strength and processability further characterize this highly versatile sheet product.

HMWPE SP-1510 Data

Test	Condition	Units	Value
Specific Gravity	ASTM D792	g/cm ³	0.95
Tensile Modulus	ASTM D638	psi	120,000
Tensile Strength	ASTM D638	psi	3,600
Flexural Modulus	ASTM D790	psi	165,000
Flexural Strength	ASTM D790	psi	
Izod Impact	ASTM D256 (73°F, -40°C)	Ft-lbs/in.	4.0
Falling Dart Impact	ASTM D3029 (73°F, -40°C)	Ft-lbs	
Heat Deflection Temperature	ASTM D648	°F	160
Hardness	ASTM D785	Rockwell R	68
Gardner Gloss	ASTM D523	%	
Flammability Rating	UL94 HB		Passes

Spartech warrants that its products conform to its published specifications in effect at the time of sale, but Spartech expressly disclaims any warranties of the merchantability and of fitness for a particular purpose with respect to its products. The values shown above are representative of values that have been obtained in the testing of samples produced in various colors. Each user of the material should conduct his own testing and evaluations to determine the effectiveness, safety, and suitability of the material for its particular use.