



**GeoCHEM**  
Incorporated

**PRODUCT INFORMATION • SPECIFICATION GUIDE HDPE ALLOY - 20 Mil Cross Laminated**

PHYSICAL PROPERTIES AND TYPICAL VALUES	PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
	Weight	D-751	81 LB/1000 FT <sup>2</sup>	40 KG/100 M <sup>2</sup>
	Thickness	D-5199	20 MIL	.508 MM
	Load @ Yield	D-882	37 LBF	165 N
	Load @ Break	D-882	75 LBF	334 N
			3900 PSI	26.8 MPA
	Elongation @ Break	D-882	550 %	550 %
	Tongue Tear	D-2261	28 LBF	125 N
	Trapezoidal Tear	D-4533	44 LBF	196 N
	PPT Resistance	D-2582	50 LBF	222 N
	Dart Impact Strength	D-1709	3.5 LBS	1.6 KG
Puncture Strength	D-4833	45 LBS	200 MPA	
Permeability	E-96	.0143 Grain/Hr•Ft <sup>2</sup> •In.Hg		

- Cross-laminated polyethylene resists punctures and tears.
- UV stabilized to withstand prolonged exposure to sunlight.
- Is not prone to environmental stress-cracking (ESC) so it can endure repeated thermal expansion & contraction cycles.

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