

HDPE

Plastic Sheet Goods

	PROPERTY	ASTM SPEC	UNIT	HDPE
	Specific Gravity	D 792	****	0.96
Environment	Water Absorption	D570	%	<0.01
	Abrasion Resistance	Taber CS 17	mg/1000	****
	Oxygen Index	D2863	%	****
	Flammability	UL 94	****	N.R.
		FM 4910	****	NO
Coefficient of Friction	C1894	Static	0.2	
	C1894	Dynamic	0.2	
Mechanical	Tensile Strength (yield)	D1708, D638	psi	3600
	Elongation (break)	D1708, D638	%	700
	Flexural Modulus	D790 @ 23 C	psi	175000
	Notched Izod Impact	D256 @ 23 C	ft-lb/in.	3
	Shore D Hardness	D2240	***	68
Thermal	Continuous Service Temperature	Maximum	°C	76
			°F	170
	Melting Point	D3418	°C	131
		D3418	°F	267
	Vicat Softening Point	D1525	°C	124
		D1525	°F	255
	Coefficient of Expansion	E831 TMA	in/in/°F (10 ⁻⁵)	6.7
	Deflection Temp (66psi)	D648	°C	73
		D648	°F	163
	Deflection Temp (264psi)	D648	°C	43
D648		°F	110	

- * Continuous Service Temperature based upon "non-chemical Dry Usage".
- * Table data reflects ASTM based average typical vendor data.
- * Data meant as general guidelines only.
- * Specific applications require additional testing by the buyer.
- * All properties based on standard unbacked product tests only

Polymer HDPE

LP-8-2014



PO Box 514 Shingle Springs, CA 95682
 Ph 530.677-7700 Toll 877.677-7701
 Fx 530.677-6718
www.american-plasticlumber.com