



# High Density Polyethylene

**DESCRIPTION:**

An extruded polyolefin available in natural, white, and colors in gauges from .010 to .075. High Density Polyethylene works well for outdoor applications even when exposed to a wide range of temperatures.

**CHARACTERISTICS:**

- Non toxic, good chemical resistance to solvents, acids, and alkalis.
- Resistant to cracking and tearing.
- Can be scored, riveted, welded and glued.
- Good hinge characteristics for folders and notebooks.

**TECHNICAL DATA:**

PROPERTIES	TYPICAL VALUES	TEST METHOD
THICKNESS	0.010 - 0.015 on rolls & 0.010 - 0.075 in sheets	
DENSITY	36" & 54"	ASTM-1505
TENSILE STRENGTH - psi	4500	ASTM-D638
VICAT SOFTENING POINT - F°	262°	ASTM-D1525
BRITTLINESS - cold crack - C°	-76°	ASTM-D746
TENSILE IMPACT STRNGTH - ft. lb./in.	115	ASTM-D1822
FLEX MODULUS - psi	170,000	ASTM-D790
FINISH	matte or crush	
CORONA TREAT	both sides	
ROLL SPECIFICATIONS	I.D.	3" and 6"
	O.D.	24" minimum; 36"maximum

ASTM test for natural resin. Results may vary slightly with colorant or other additives.

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