

HDPE TYPICAL PROPERTIES

HDPE IS MADE FROM A PROPRIETARY PRINTABLE GRADE OF HIGH DENSITY COPOLYMER POLYETHYLENE RESIN TO PROVIDE PRINTABLE SHEET WITH OUTSTANDING TOUGHNESS THROUGH A WIDE RANGE OF TEMPERATURES. THE SHEET IS IDEAL FOR STATIONARY, DISPLAY, PACKAGING, TAG, AND OUTDOOR SIGN APPLICATIONS.

PROPERTY	TEST	UNITS	PE ₂ PRINT™ HDPE
DENSITY	ASTM D1505	LB/IN ³	0.0344
TENSILE STRENGTH (MD)	ASTM D638	PSI	5,000
TENSILE STRENGTH (TD)	ASTM D638	PSI	3,500
ULTIMATE ELONGATION	ASTM D638	%	>800
FLEXURAL MODULUS	ASTM 790	PSI	180,000
TEAR STRENGTH, TROUSER (MD-TD)	ASTM D638	LB/IN	400-1,200
TEAR STRENGTH, DIE C (MD-TD)	ASTM D638	LB/IN	600-1,250
IMPACT STRENGTH, NOTCHED IZOD	ASTM D256	FT LB/IN@73°F	3.0
LOW TEMPERATURE BRITTLINESS PT.	ASTM D746	°F	<-105

FEATURES

OUTSTANDING TOUGHNESS
 GOOD COST TO TOUGHNESS RATIO
 DIE CUTS WELL
 HINGES WELL
 PRINT TREATED ON TWO SIDES
 EFFICIENTLY SONIC WELDS
 STANDARD MATTE SURFACE FINISH
 SOFT MATTE SURFACE FINISH
 HRG SURFACE FINISH

BENEFITS

REDUCED BREAKAGE OVER PS, CORRUGATED
 COST SAVINGS OVER ABS, POLYCARBONATE, PVC
 CAN BE CUT EFFICIENTLY INTO COMPLEX SHAPES
 SUITABLE FOR BINDERS, BOXES & FOLDED ITEMS
 EASY TO ADD GRAPHICS
 ABILITY TO ADD FEATURES
 ULTIMATE IN SCRATCH RESISTANCE
 BALANCE OF SCRATCH RESISTANCE & PRINT
 RESOLUTION
 ULTIMATE IN GRAPHIC RESOLUTION

