

## HDPE 1500 DENIER – PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	SPECIFICATION
WEIGHT PER YD2	ASTM D 1910	12 OZ./SQ.YD. (+/-10%)
NOMINAL THICKNESS	-	24 MILS (+/-10%)
TENSILE STRENGTH (GRAB METHOD)	ASTM D 751	WARP 449 LBS.
		WEFT 405 LBS.
ELONGATION TO BREAK	-	WARP 29%
		WEFT 34%
TEAR STRENGTH (TONGUE METHOD)	ASTM D 751	WARP 74 LBS/IN.
		WEFT 94 LBS/IN.
BURSTING STRENGTH (MULLEN)	ASTM D 3786	818 PSI
HYDROSTATIC RESISTANCE	ASTM D 751A	310 PSI
PUNCTURE RESISTANCE (1" STEEL BALL TIPPED PROBE)	ASTM D 751	642 PSI
MOISTURE VAPOR TRANSMISSION	ASTM E96 B	0.048 GRAMS/
		M2/24HRS
PERMEABILTY	ASTM D 4491	0
LOW TEMPERATURE CLOD CRACK	ASTM D 2136	-65F
FLEX/ABRASION	ASTM D 3885	NO DAMAGE TO SCRIM AFTER 2800 CYCLES, BLACK COATING WORN AWAY
HEAT BONDED SEAM STRENGTH	ASTMD 6392	188.166 ppi
BONDED PEEL ADHESION	ASTMD 6392	FTB@Delam
DIMENSIONAL STABILITY@212F/1HR	ASTM D 1204	@EDGE: WARP -9.3 WEFT -7.7
		@CENTER: WARP -7.6 WEFT -6.4

## HDPE 1500 DENIER – ENVIRONMENTAL RESISTANCE

PROPERTY	TEST METHOD	SPECIFICATION
ACCELERATED WEATHERING, UV	ASTM G 53	MORE THAN 80% OF STRENGTH RETAINED AFTER 2000 HOURS
CARBON BLACK CONTENT	-	3%
CARBON BLACK DISPERSION	-	A-1

## HDPE 1500 DENIER – HYDROCARBON RESISTANCE

PROPERTY	TEST METHOD	SPECIFICATION
<b>CRUDE OIL 30 DAYS @ 73F</b>	ASTM D 751	WARP 475 LBS.
		WEFT 395 LBS.
<b>SAE 40 WT MOTOR OIL 30DAYS @ 73F</b>	ASTM D 751	WARP 510 LBS.
		WEFT 401 LBS.
<b>DIESEL 30 DAYS @ 73F</b>	ASTM D 751	WARP 475 LBS.
		WEFT 374 LBS.
<b>GASOLINE 30 DAYS @ 73F</b>	ASTM D 751	WARP 440 LBS.
		WEFT 373 LBS.
<b>SALT WATER 30 DAYS @ 73F</b>	ASTM D 751	WARP 481 LBS.
		WEFT 397 LBS.
<b>SOIL BURIAL 30 DAYS @ 30C 95% REL. HUMIDITY</b>	ASTM D 751	WARP 540 LBS.
		WEFT 470 LBS.