

# LLDPE

# 2010B 3010B 4010B

	TEST METHOD	LLDPE 2010B		LLDPE 3010B		LLDPE 4010B	
		English	Metric	English	Metric	English	Metric
APPEARANCE		Black		Black		Black	
THICKNESS, NOMINAL		20 mil	0.51 mm	30 mil	0.75 mm	40 mil	1.00 mm
WEIGHT		93	453 g/m <sup>2</sup>	142	692 g/m <sup>2</sup>	189	921 g/m <sup>2</sup>
TENSILE STRENGTH @ BREAK	ASTM D6693	75 lbs	334 N	114 lbs	507 N	154 lbs	685 N
ELONGATION AT BREAK	ASTM D6693	800%	800%	800%	800%	800%	800%
TEAR RESISTANCE	ASTM D1004	11 lbf	49 N	16 lbf	71 N	22 lbf	98 N
HYDROSTATIC RESISTANCE	ASTM D751	1 00 psi	689 kPa	170 psi	11 70 kPa	220 psi	1517 kPa
PUNCTURE RESISTANCE	ASTM D4833	30 psi	133 kPa	45 psi	200 kPa	60 psi	267 kPa
VOLATILE LOSS	ASTM D1203	<1%	<1%	<1%	<1%	<1%	<1%
Dimensional Stability	ASTM D1204	< 2%	<2%	< 2%	<2%	<2%	<2%
MAXIMUM USE		180OF	820C	180OF	820C	180OF	820C
MINIMUM USE		-70OF	-570C	-70OF	-570C	-70OF	-570C
PERMEABILITY							
PERM RATING	ASTM E96 Method A	0.041 U.S. Perms	0.027 Metric Perms	0.031 U.S. Perms	0.020 Metric Perms	0.024 U.S. Perms	0.015 Metric Perms
<b>FACTORY SEAM REQUIREMENTS</b>							
BONDED SEAM STRENGTH	ASTM	33 lbf/in.	58 N/cm	55 lbf/in.	96N/cm	70 lbf/in.	122N/cm
SEAM PEEL ADHESION	ASTM	28 lbf/in.	49N/cm	40 lbf/in.	70N/cm	55 lbf/in.	96N/cm

\*GeoCHEM Industries performs seam testing at 12" per minute.

LLDPE 2010B, 3010B and 4010B contain a very high-strength polyethylene resin blended with our in-house trim and start-up material. LLDPE 2010B, 3010B and 4010B are offered as an alternative to our virgin resin films for non-critical applications. They may contain minor cosmetic gels, small surface particles and a lower minimum thickness tolerance.

**Note:** To the best of our knowledge unless otherwise stated these are typical property values and are intended as guides only, not as specification Limits. NO WARRANTIES ARE MADE AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no Guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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