

GeoCHEM LLDPE 610B, 1010B & 2010B

Linear Black Polyethylene

Product Description

LLDPE 610B, 1010B and 2010B are membranes consisting of a blended linear polyethylene. Carbon black provides protection from UV rays. Puncture and tear strengths far exceed common C & A polyethylene films.

Product Use

LLDPE 610B, 1010B and 2010B provide the answer to applications requiring a low-cost sheeting with high puncture and tear strengths in a light-weight film. These products have excellent elongation which make them readily moldable around unusual shapes without failing. LLDPE 610B, 1010B and 2010B are used in many covering and unexposed lining applications.

Size & Packaging

LLDPE 610B and 1010B are available in various increments up to 80,000 square foot panels. LLDPE 2010B is available in large panels up to 60,000 square feet. All panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Remediation Liner

Product	Part #
LLDPE	610B
LLDPE	1010B
LLDPE	2010B

APPLICATIONS

610B & 1010B

Pond/Canal Linings
Outdoor Coverings
Remediation Liners
Cargo Covers
Oil Field Pit Liners
Silage Covers

2010B

Decorative Ponds
Outdoor Covers
Fire Ponds
Remediation Liners
Brine Ponds
Mine Tailing Ponds
Interim Landfill Caps
Leachate Collection Ponds



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PROPERTIES	TEST METHOD	LLDPE 610B		LLDPE 1010B		LLDPE 2010B	
		Imperial	Metric	Imperial	Metric	Imperial	Metric
APPEARANCE		Black		Black		Black	
THICKNESS, NOMINAL		6 mil	0.15 mm	10 mil	0.25 mm	20 mil	0.51 mm
WEIGHT		28 lbs/MSF	136 g/m ²	47 lbs/MSF	227 g/m ²	93 lbs/MSF	454 g/m ²
*TENSILE STRENGTH lbf/in. (N/cm)	ASTM D882 (610B & 1010B) ASTM D6693 (2010B)	23 lbf	40 N	36 lbf	63 N	75 lbf	131 N
*ELONGATION AT BREAK	ASTM D882 (610B & 1010B) ASTM D6693 (2010B)	800%	800%	800%	800%	800%	800%
*TEAR RESISTANCE	ASTM D1004	4 lbf	18 N	6 lbf	27 N	11 lbf	49 N
*TRAPEZOID TEAR	ASTM D4533	17 lbf	75 N	33 lbf	147 N	63 lbf	280 N
MULLEN BURST	ASTM D751	34 psi	234 kPa	57 psi	393 kPa	100 psi	689 kPa
MAX. USE TEMPERATURE		180°F	82°C	180°F	82°C	180°F	82°C
MIN. USE TEMPERATURE		-70°F	-57°C	-70°F	-57°C	-70°F	-57°C
PERMEABILITY							
PERM RATING grains/(ft ² ·hr·in·Hg) (g/(24hr·m ² ·mm Hg))	ASTM E96 Method A					0.041 Perms	(0.027) Perms

LLDPE 610, 1010B and 2010B contain a very high-strength polyethylene resin blended with our in-house trim and select reprocessed material. LLDPE 610B, 1010B and 2010B are an excellent material to offer higher performance properties as an economical option with puncture and tear strengths far exceeding common C & A polyethylene films. LLDPE 610B, 1010B and 2010B are offered as an alternative to our virgin resin films for non-critical applications and 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. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GEOCHEM, INC. MAKES NO WARRANTIES 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.