

**LLDPE 610B, 1010B and 2010B** geomembranes 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 50,000 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 NUMBER
LLDPE	610B
LLDPE	1010B
LLDPE	2010B

## COMMON APPLICATIONS

### **LLDPE 610B & 1010B**

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

### **LLDPE 2010B**

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

# LLDPE

# 610B 1010B & 2010B

S		LLDPE 610B		LLDPE 1010B		LLDPE 2010B	
		English	Metric	English	Metric	English	Metric
APPEARANCE		Black		Black		Black	
THICKNESS, NOMINAL		6 mil	0.15 mm	10 mil	0.25 mm	20 mil	0.51 mm
		28 lbs/MSF	136 g/m <sup>2</sup>	47 lbs/MSF	227 g/m <sup>2</sup>	93 lbs/MSF	454 g/m <sup>2</sup>
*1" TENSILE STRENGTH	ASTM D882 (610B & 1010B) ASTM D6693 (2010B)	21 lbf	93 N	36 lbf	160 N	75 lbf	334 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
HYDROSTATIC RESISTANCE	ASTM D751	34 psi	234 kPa	57 psi	393 kPa	100 psi	689 kPa
MAXIMUM USE TEMPERATURE		180°F	82°C	180°F	82°C	180°F	82°C
MINIMUM USE TEMPERATURE		-70°F	-57°C	-70°F	-57°C	-70°F	-57°C
PERMEABILITY							
PERM RATING	ASTM E96 Method A					0.041 U.S. Perms	0.027 Metric Perms

\*Tests are an average of machine direction and transverse directions. \*\*Elongation can

LLDPE 610B, 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 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.

GeoCHEM, Inc.