



GEOSYNTHETICS HOMEPAGE

LAYFIELD

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EMAIL CUSTOMER SERVICE

PRODUCTS

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- Geomembranes ▶
- Geotextiles ▶
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- Portable Dams ▶
- Prefabricated Drains ▶
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- Sediment Control ▶
- Stream & Channel Products ▶
- Wick Drains ▶



Geomembranes - Hypalon®

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Hypalon is a highly durable lining material, offering excellent weathering resistance for water and waste water applications.

Hypalon® lining materials are made of an uncured rubber compound, called chlorosulfonated polyethylene (CSPE). Hypalon® liners are available in a number of styles. Each style is a unique combination of the number of plies, the type of supporting scrim, and the overall thickness of the liner. The table below shows five of the available styles and information on additional styles is available from Layfield.

Hypalon® liners offer excellent long term weathering properties, and are available on supporting scrims ranging from 120 to 520 lbs (530 to 2300 N) of grab tensile strength. Hypalon® liners are an excellent choice for water and waste water applications, and are commonly used to produce floating covers. Hypalon® grades for drinking water contact are available.

Hypalon® has been used as a lining material for more than 30 years, and has shown excellent durability as both a liner and cover. Extended exposed service warranties are available with this product. The CSPE coating on Hypalon® materials will cure over time, making heat welding no longer possible to make repairs. Repairs and small welds on Hypalon® materials can be made with an adhesive.

Hypalon® is a registered trademark of DuPont

Hypalon® Minimum Material Properties

6 Jan 2005

| Style | ASTM | M-283 | M-284 | M-423 | M-529 | M-530 |
|-----------------------|------|------------------|-------------------|-------------------|-------------------|-------------------|
| Total Piles | | 3 | 3 | 3 | 5 | 5 |
| Thickness (Nominal) | D751 | 36 mil 0.9 mm | 45 mil 1.13 mm | 60 mil 1.5 mm | 60 mil 1.5 mm | 90 mil 2.25 mm |
| Tensile Strength | D751 | 200 lbs 895 N | 220 lbs 975 N | 270 lbs 1200 N | 400 lbs 1775 N | 520 lbs 2310 N |
| Elongation (Scrim) | D751 | 15% | 15% | 15% | 15% | 15% |
| Elongation (membrane) | D751 | 30% | 30% | 30% | 50% | 50% |