

# Jalseal 40

18.5 OZ GEOMEMBRANE



Multilayered Geomembrane



## PRODUCT DESCRIPTION

A double scrim, heavyweight geomembrane fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. The coating recipe is designed to improve toughness and abrasion resistance.

## RECOMMENDED APPLICATIONS

Mining, Coal/Ash Remediation, Large Reservoirs

## PRODUCT DIMENSIONS

**Cores** 4 inch I.D. or 5 inch I.D. available  
**Width** Up to 144 inches (-0, +2.5) as ordered  
**Length** Minimum 250 yds/roll; up to 500 yds/roll

## PRODUCT SPECIFICATIONS

**Weave** Two woven black HDPE scrims  
**Coating** LDPE, 2.5 mil average each side (60 g/m<sup>2</sup>/side)  
**Color** White, black or other colored coatings available  
**Weight** 18.5 oz/yd<sup>2</sup> (627 g/m<sup>2</sup>) ± 5%

These values are typical data and are not intended as limiting specifications.

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## PERFORMANCE PROPERTIES

The following data are typical values based on ASTM standard tests. This data should not be considered specification.

<b>Thickness</b> ASTM D1777	Nominal 40 mil (1.0 mm), ± 10%
<b>Grab Tensile (N)</b> ASTM D7004	MD 680 lb (3019) TD 680 lb (3019)
<b>Strip Tensile (N/5cm)</b> ASTM D7003	MD 460 lb/in (4085) TD 460 lb/in (4085)
<b>Tongue Tear –large scale (N)</b> ASTM D5884	MD 140 lb/in (622) TD 135 lb/in (600)
<b>MVTR</b> ASTM E96 Proc. BW	0.31 g/m <sup>2</sup> • 24hr (0.04 perms)
<b>Hydraulic Conductivity (Permeability)</b> Calculated from MVTR	2.65 x 10 <sup>-12</sup> cm/s
<b>Hydrostatic Resistance</b> ASTM D751	685 psi (4723 kPa)
<b>Puncture Resistance</b> ASTM D4833	350 lb (1556 N)
<b>Dimensional Stability</b> ASTM D1204	MD -3.8% TD -1.8%
<b>Low Temperature Flex</b> ASTM D2136	MD&TD: Pass @ -65°C (-85°F)
<b>Static Puncture</b> ASTM D6241	2356 lb (10478 N)
<b>HP-OIT</b> ASTM D5885 (Measured on coating formulation)	3048 minutes
<b>Accelerated UV Weathering</b> ASTM D7238 (20hrs UV @75°C; 4hrs @60°C condensation cycle)	>90% tensile strength retention after 2,000 light hours

MD = Machine Direction. TD = Tensile Direction. XD = Cross Direction.

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