

Name

BTL™ 45A

Description

A double scrim, woven fabric incorporating exclusive coatings designed to improve toughness and abrasion resistance.

Fabric specifications

Weave: Two woven black HDPE scrims
 Coating: LDPE, avg. 118 g/m²/side
 Colour: black
 Weight: 762 g/m² ± 5%

Roll specifications

Core: 10.16 cm inner diameter
 Width: max. 305 cm (-0, +6.4)
 Length: min. 229 m/roll
 max. 914 m/roll

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

Performance properties

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

MD: machine direction, TD: transverse direction

Thickness ASTM D1777	Nominal 1.12 mm ± 10%
Grab Tensile ASTM D7004	MD 2817 N / TD 2686 N
Strip Tensile ASTM D7003	MD 3418 N/5cm / TD 3196 N/5cm
Tongue Tear (large scale) ASTM D5884	MD 444 N / TD 444 N
Mullen Burst ASTM D751	8612 kPa
MVTR ASTM E96 Proc. BW	0.25 g/m ² ·24hr (0.04 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	2.32 x 10 ⁻¹² cm/s
Hydrostatic Resistance ASTM D751	6063 kPa
Puncture Resistance ASTM D4833	1688 N
Carbon Black Content ASTM D4218	4.47%
Carbon Black Dispersion ASTM D5596	Category 1
Dimensional Stability ASTM D1204	MD -2.1% / TD -3.1%
Low Temperature Flex ASTM D2136	MD & TD: Pass @ -40°C
Seam Strength (shear), min. ASTM D7747	Seam shear should be >80% of the strip tensile of the base fabric
Seam Strength (peel), min. ASTM D413	35 N/5cm
Accelerated UV Weathering¹ ASTM G151 ASTM G154	>90% strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs exposure @ 1.35 W/m ² /nm

¹: Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

Statements and information contained in this data sheet serve as general guidance and made public based on currently available knowledge. Content is subject to change. In all cases, it is the sole responsibility of the end user and / or designer to ensure that a specific product is suitable for a specific purpose under particular circumstances, and the availability of the latest version of the data sheet.

Please contact the distributor - Creatiger Kft. - for warranty details.



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 Effective: 01. 04. 2014.