

FRU88X-6 400

MEMBRANE STRUCTURE FABRIC WITH ARMORKOTE™

INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

DESCRIPTION

NovaShield® brand FRU88X-6 400 is a flame-retardant, heavyweight fabric for applications requiring UV stability, such as membrane structures and alternate daily landfill covers. The scrim is produced in a special weaving pattern to enhance thickness, flatness, abrasion resistance, and tear properties. The flame-retardant proprietary coating is used to enhance abrasion resistance, flex resistance, seam strength, UV resistance and longevity.

FABRIC SPECIFICATIONS

Weave: Woven clear HDPE scrim using natural FR/UV tapes
Coating: LDPE, 4 mil average each side (95 g/m²/side)
Color: White, blue, green, grey, sandstone and other colors available upon request
Weight: 12.4 oz/yd² (407g/m²) +/- 5 %
Thickness: 23 mil (0.59 mm) ASTM D1777

ROLL SPECIFICATIONS

Cores: 4 inch I.D. or 5 inch I.D. available
Width: Up to 144 inches (-0, +0.5) as ordered
Length: Minimum 250 yds/roll; up to 1000 yds/roll

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



intertape polymer group®

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PERFORMANCE PROPERTIES

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

Grab Tensile ASTM D5034	Warp 375 lb 1665 N / Weft 340 lb 1510 N
Strip Tensile (N/5cm) ASTM D5035	Warp 260 lb/in (2310)/Weft 240 lb/in (2131)
Tongue Tear ASTM D2261	Warp 120 lb 533 N / Weft 110 lb 489 N
Trapezoidal Tear ASTM D4533	Warp 110 lb 488 N / Weft 90 lb 400 N
Mullen Burst ASTM D3786	665 psi / 4581 kPa
Accelerated UV Weathering¹ 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
Accelerated Natural Weathering ASTM G90	>80 % strength retention after 5 Florida Standard Years ²
Low Temperature Bend ASTM D2136	-60°C

¹ Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4hrs condensation @ 50°C ² 1333 MJ

FR PERFORMANCE

This product meets the requirements of NFPA 701 – 2015 (Method 1 and Method 2), 2010 (Method 1 and Method 2), 2004 (Method 1 and Method 2), 1989 (large and small scale) and 1996 (tests 1 and 2), CAN/ULC S109-M87 (small and large scale), CAN/ULC S102-03, CAN/ULC S102.2-03, ASTM E84-15a (Class 1), California Fire Marshal (F-51405).

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EFFECTIVE: 3/16



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