

NovaShield® II with ArmorKote™

FRU88X-6, 400

INTERTAPE POLYMER GROUP TECHNICAL DATA SHEET

DESCRIPTION

Nova-Shield® II FRU88X-6 400 is a 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 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: Off-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 150 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.



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EFFECTIVE: 03/14

PERFORMANCE PROPERTIES

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

Grab Tensile ASTM D5034-09	Warp 360 lb 1598 N / Weft 350 lb 1555 N
Strip Tensile (N/5cm) ASTM D5035-11	Warp 275 lb/in (2444)/Weft 250 lb/in (2222)
Tongue Tear ASTM D2261-07a	Warp 120 lb 533 N / Weft 110 lb 489 N
Trapezoidal Tear ASTM D4533-04(2009)	Warp 100 lb 444 N / Weft 90 lb 400 N
Mullen Burst ASTM D3786-09	675 psi / 4657 kPa
Accelerated UV Weathering¹ ASTM G154-06	>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 G90-10	>80 % strength retention after 5 Florida Standard Years ²
Low Temperature Bend ASTM D2136-02(2007)	-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 – 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 E84-00a (Class 1), UBC31-1, California Fire Marshal (F-51405).