

Flame Retardant Membrane Structure Fabric with ArmorKote

FRU88X-6, 400

INTERTAPE POLYMER GROUP TECHNICAL DATA SHEET

DESCRIPTION

FRU88X-6, 400 is a heavyweight fabric for applications requiring flame retardants and UV stability. The scrim is produced in a special weaving pattern to enhance flatness, abrasion resistance, and tear properties. The proprietary coating is used to enhance abrasion resistance, flex resistance, seam strength, UV resistance and longevity.

FRU88X-6, 400 is perfect for manufacturing facilities, livestock housing and sports arenas.

FABRIC SPECIFICATIONS

Weave: Woven 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 %

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.



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EFFECTIVE: 02/23

PERFORMANCE PROPERTIES

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

Thickness ASTM D1777	23 mil (0.59 mm)
Grab Tensile ASTM D5034	Warp 410 lb 1820 N / Weft 395 lb 1754 N
Strip Tensile (N/5cm) ASTM D5035	Warp 275 lb/in (2442)/Weft 250 lb/in (2220)
Tongue Tear ASTM D2261	Warp 125 lb 555 N / Weft 110 lb 488 N
Trapezoidal Tear ASTM D4533	Warp 110 lb 488 N / Weft 90 lb 400 N
Mullen Burst ASTM D3786	675 psi / 4650 kPa
Accelerated UV Weathering¹ ASTM G154	100 % 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	>90 % 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 S109-14, CAN/ULC S109-03, CAN/ULC S109-M87 (small and large scale), CAN/ULC S102-10, CAN/ULC S102-18, CAN/ULC S102.2-18, ASTM E84-18 (Class 1), California Fire Marshal (F-51405).

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