

# Membrane Structure Fabric with ArmorKote

RU88X-6(FR), 400

## INTERTAPE POLYMER GROUP TECHNICAL DATA SHEET

### DESCRIPTION

RU88X-6(FR), 400 is a heavyweight fabric for applications requiring UV stability, such as warehouse and manufacturing facilities, marine storage and mining industry applications. 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.

### FABRIC SPECIFICATIONS

Weave: Woven clear HDPE scrim  
Coating: LDPE, 4 mil average each side (95 g/m<sup>2</sup>/side)  
Color: White, blue, green, sandstone (beige)  
Weight: 12 oz/yd<sup>2</sup> (407g/m<sup>2</sup>) +/- 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.*

### PERFORMANCE PROPERTIES

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

<b>Thickness</b> ASTM D1777	23 mil (0.59 mm)
<b>Grab Tensile</b> ASTM D5034	Warp 445 lb, 1975 N / Weft 385 lb, 1709 N
<b>Strip Tensile</b> (N/5cm) ASTM D5035	Warp 280 lb/in (2486)/Weft 240 lb/in (2131)
<b>Tongue Tear</b> ASTM D2261	Warp 115 lb, 510 N / Weft 110 lb, 488 N
<b>Trapezoidal Tear</b> ASTM D4533	Warp 95 lb, 422 N / Weft 90 lb, 400 N
<b>Mullen Burst</b> ASTM D3786	680 psi / 4685 kPa
<b>Hydrostatic Resistance</b> ASTM D751	273 psi / 1880 kPa
<b>Accelerated UV Weathering<sup>1</sup></b> ASTM G154	100 % strength retention after 2000 hrs exposure @ 0.77 W/m <sup>2</sup> /nm, or 1200 hrs exposure @ 1.35 W/m <sup>2</sup> /nm
<b>Accelerated Natural Weathering</b> ASTM G90	>90 % strength retention after 5 Florida Standard Years <sup>2</sup>
<b>Low Temperature Bend</b> ASTM D2136	-60°C

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

### FR PERFORMANCE

This product meets the requirements of NFPA-701(1989) Large Scale, NFPA-701 (2015) Method 2, CAN/ULC S102.2-18, CAN/ULC S109-14 (Large Flame Test), and ASTM E84-00a (Class 1).



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EFFECTIVE: 02/23

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