

FRU ELITE

DESCRIPTION

NovaShield[®] FRU ELITE is a heavyweight fabric for applications requiring flame retardants and UV stability, such as membrane structures. This ELITE product is manufactured with a high strength film laminated to one side and a proprietary coating on the back side. This high strength film is used to enhance abrasion resistance, flex resistance, seam strength, UV resistance and longevity. The scrim is produced in a special weaving pattern to enhance flatness, abrasion resistance, and tear properties.

FABRIC SPECIFICATIONS

Weave: Woven HDPE scrim using natural FR/UV tapes
 Coating: White flame retardant PE
 Film: White flame retardant PE
 Colour: White FRU only
 Weight: 13.75 oz/yd² (466g/m²) +/- 5 %

ROLL SPECIFICATIONS

Cores: 4 inch I.D. or 5 inch I.D. available
 Width: 144 inches (-0, +0.5)
 Length: White/white – 500 yards

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



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EFFECTIVE: 04/24

PERFORMANCE PROPERTIES

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

Grab Tensile ASTM D5034	Warp 430 lb 1909 N / Weft 400 lb 1776 N
Strip Tensile (N/5cm) ASTM D5035	Warp 265 lb/in (2353)/Weft 250 lb/in (2220)
Tongue Tear ASTM D2261	Warp 100 lb 444 N / Weft 90 lb 400 N
Trapezoidal Tear ASTM D4533	Warp 85 lb 377 N / Weft 85 lb 377 N
Mullen Burst ASTM D3786	665 psi / 4582 kPa
Accelerated UV Weathering ¹ 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
Low Temperature Bend ASTM D2136	-65°C

FR PERFORMANCE

This product meets the requirements of NFPA 701 – 2015 (Methods 1 and 2), NFPA 701 – 2023 (Methods 1 and 2), ASTM E84 -23 (Class 1), CAN/ULC S102-18, CAN/ULC S109-14 R2019 (Small and Large Flame tests)

20-year Prorated Warranty – Please see your territory manager for details.

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

