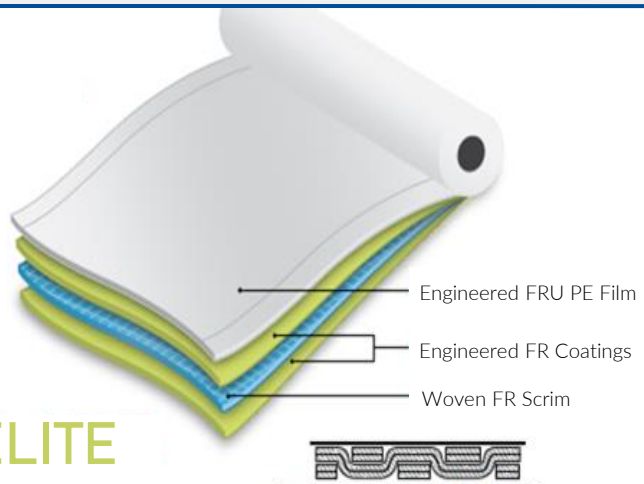
NovaShield Elite

IPG® now offers a brand-new film laminated fabric with the same high strength-to-weight ratio that NovaShield™ is known for with even greater durability. NovaShield™ ELITE is designed to meet the highest standards in the industry. Our patented weave produces impressive strength-to-weight ratios and its lighter weight makes for easier, faster, money-saving installations. NovaShield™ ELITE features a film laminated top side that has outstanding abrasion resistance, flex crack resistance and longevity, supported by a 20-year limited warranty.

Features & Benefits

- Film lamination on top surface
- Flame retardant
- Enhanced UV protection for long service life
- High strength-to-weight ratio
- High level of abrasion resistance
- High resistance to crack formation
- 20 year limited warranty



Film Laminated, Double-Stacked Scrim

Product Attributes

CHARACTERISTICS	Weave	Coating/Film	Weight	Cores	Width	Length	Colors	Limited Warranty
NovaShield™ ELITE	Woven FR-UV HDPE Tapes	Engineered PE FR Film/Coating	13.8 oz/yd² (470 gsm)	4" I.D.	Up to 144" (-0, +0.5)	500 yd rolls	White/White	20 years

Grab Tensile	Strip Tensile	Tongue Tear	Trapezoidal Tear	Mullen Tear	Accelerated UV Weathering †	Low Temperature Bend
ASTM D5034	ASTM D5035	ASTM D2261	ASTM D4533	ASTM D3786	ASTM G154	ASTM 2136
Warp 400 lb (1776 N) Weft 400 lb (1776 N)	Warp 260 lb/in (2309 N/5cm) Weft 240 lb/in (2131 N/5cm)	Warp 90 lb (400 N) Weft 90 lb (400 N)	Warp 80 lb (355 N) Weft 75 lb (333 N)	650 PSI (4478 kPa)	>90% strength retention after 2000 hrs exposure @ 0.77 W/m²/nm, or 1200 hrs exposure @ 1.35 @/ m²/nm	-65°C

These values are typical data and are not intended as limiting specifications.
± Q.U.V. [A-340 Lamps]; 8 hrs UV @ 60 °C; 4 hrs condensation @50 °C

FR PERFORMANCE
This product meets the requirements of NFPA 701-1989 (large and small scale), CAN/ULC (large scale), ATSM E84-00a (Class 1; FSI=10; SD=70), California Fire Marshal (F-51407)

PRO FORMA- BASED ON LIMITED DATA

RU88X-6 400

MEMBRANE STRUCTURE FABRIC WITH ARMORKOTE™

INTERTAPE POLYMER GROUP®

TECHNICAL DATA SHEET

DESCRIPTION

NovaShield® RU88X-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 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^2/side)
Color:	Natural (clear), white, blue, green, red, beige and other colors available upon request
Weight:	12 oz/yd^2 (407g/m^2) +/- 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.

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 370 lb 1664 N / Weft 345 lb 1532 N
Strip Tensile (N/5cm) ASTM D5035	Warp 250 lb/in (2220)/Weft 235 lb/in (2086)
Tongue Tear ASTM D2261	Warp 110 lb 488 N / Weft 100 lb 444 N
Trapezoidal Tear ASTM D4533	Warp 100 lb 444 N / Weft 90 lb 400 N
Mullen Burst ASTM D3786	650 psi / 4428 kPa
Accelerated UV Weathering[1] ASTM G154	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m²/nm, or 1200 hrs exposure @ 1.35 W/m²/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 ASTM E84-00a (Class 1).

intertape polymer group®

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EFFECTIVE: 3/16

CRRC COOL ROOF RATING COUNCIL

NovaShield® BRAND