

Longevity and
easy maintenance



Flexlight

Advanced 1002 S2



	Technical properties	Standards
Surface treatment (top/back)	S2 PVDF / PVDF	
Yarn	PES HT 1100 Dtex	
Weight	1050 g/sqm • 31 oz/sqyd	EN ISO 2286-2
Width	267 cm • 105.1 in	(+1mm /-1mm)
Tensile strength (warp/weft)	420/400 daN/5cm 480/450 Lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	55/50 daN 80/75 Lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	12 daN/5cm	EN ISO 2411
Flame retardancy		
Euroclass	B-s2,d0/EN 13501-1	
Rating	M2/NFP 92-507 • B1/DIN 4102-1 • BS 7837 • NFPA 701 • CSMF T19 • AS/NZS 1530.3 & 3877 group 1	
Warranty*		



> The technical data here above are average values with a +/-5% tolerance.

ADDITIONAL INFORMATION				
Total thickness	0.78 mm			
Coating thickness at the top of the yarns	200/200 microns			
Varnish adhesion longevity	QUV A 4000 h	pass	Scotch tape test	
Dimensional stability				
Elongation 24h -10daN/5cm (warp/weft)	<1% / <1%		EN 15977	
Residual elongation	<0.4% / <0.4%		EN 15977	
Solar optical values				
	ASHRAE 74-1988	EN 410		
Solar Transmittance (Ts)	6%	6 %		
Solar reflectance (Rs)	78%	81%		
Solar Factor (g)	12%	9.5%		
Visible light Transmittance (Tv)	--	4 %		
Visible light Reflectance (Rv)	--	90 %		
UV transmission	0%			
Thermal and Acoustic performances				
Thermal conductivity (vertical/horizontal)	ca. U=5.6 / 6.4 W/sqm/°C		Calculated	
Acoustic Weakening index	ca. 14dBA		ISO 717-1	
LEED Heat island Effect				
Solar Reflectance Index	SRI >95%		SSc 7.2/SSc 7.1 (Roof/Non Roof)	
Environmental Impact: LCA (Life Cycle Assessment)				
Depending on end-of-life scenarios	Texyloop® Recycling	Incineration	Landfill	1 sqm membrane
Global warming	2.572	4.757	4.104	Kilograms eq. CO2
Energy consumption	59.7	103.3	103.3	Megajoul eq.
Water consumption	139.6	341.3	339.6	Litre
Management systems				
Quality in conformity with	ISO 9001			
Environmental communication in conformity with	ISO 14021			
Certifications, labels, recycling capacity				

■ Certifications, labels, guarantees, recycling

ISO 9001
ISO 14001



Preconstraint technology

15-year warranty

CSR and LEED reports available on request

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