

# PRECONSTRAINT

1002 S2 HIGHLY TRANSLUCENT



1002-3399 S2

**Serge Ferrari** 

# PRECONTRAIT

1002 S2 HIGHLY TRANSLUCENT

Technical properties	Précontrait 1002-3399 S2	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	178 cm • 70.08 in	(+1mm /-1mm)
Tensile strength (warp/weft)	430/430 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
<b>Flame retardancy</b>		
Euroclass	<b>B-s2,d0</b> /EN 13501-1	
Rating	<b>M2/NFP 92-507 • B1/DIN 4102-1 • BS 7837 • NFPA 701 • CSMF T19 • AS/NZS 1530.3 &amp; 3877 group 1</b>	
<b>Warranty*</b>		



> 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				
Solar Transmittance (Ts)	19%			
Solar reflectance (Rs)	64%			
Solar Factor (g)	24%			
Visible light Transmittance (Tv)	16%		EN 410	
Visible light reflectance (Rv)	69%			
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 >78%		SSc 7.2/SSc 7.1 (Roof/Non Roof)	
Environmental Impact: LCA (Life Cycle Assessment)				
Depending on end-of-life scenarios	<b>Texyloop® Recycling</b>	Incineration	Landfill	1 sqm membrane
Global warming	<b>2.572</b>	4.757	4.104	Kilograms eq. CO2
Energy consumption	<b>59.7</b>	103.3	103.3	Megajoul eq.
Water consumption	<b>139.6</b>	341.3	339.6	Litre
Management systems				
Quality in conformity with			ISO 9001	
Environmental communication in conformity with			ISO 14021	
Certifications, labels, recycling capacity				



LCA and LEED reports available on request

> **ADDITIONAL INFORMATION** above are non-contractual and given as an indication in order to allow our customers to make the best use of our products. Our products are subjects to evolutions due to technical progress, we remain entitled to modify the characteristics of our products at any time. The buyer of our products is responsible to check that the here above data are still valid.

\* Warranty: Please refer to the text of our warranty. The warranty is valid only after confirmation on case-by-case basis of warranty application. The warranty will not apply to mobile structures. The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, use and customs and safety rules of the countries where they are used.

> **BEWARE OF HANDLING CONDITIONS:** The high translucency of this product generates some risk of irreversible fold marks. To limit this phenomenon, it is important to avoid crushed folds during fabrication and handling, to pack it with protection material and to transport it as rolls and not bundles.

## → Contact

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## → TEXYLOOP®

- The Serge Ferrari operational recycling chain
- Secondary raw materials of high intrinsic value compatible with multiple processes
- A quantified response to combat depletion of natural resources

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