

TECHNICAL DATA



PVDF membrane

Technical specifications		Standards
Surface treatment	PVDF	
Base Fabric Construction	100% PET (2000Dx2000D30x32) D/sq.inch	ISO 7211-5 ISO 7211-2
Yarn	High strength Polyester 1100/2200 Dtex	
Weight	1350 (+20,-20) g/m ²	ISO 3801
Thickness	1.0~1.03 mm	ISO 5084
Physical properties		
Tensile strength (warp/weft)	8000 / 7000 N/5 cm	ISO13934-1
Tear Strength (warp/weft)	1050/950 N	ISO 13937-3
Adhesion Strength	130 / 125 N/5cm	ISO 2411
Adhesion	13 da N/5 cm	EN ISO 2411
Flame retardancy		
DIN standard	B1	EN 13501-1 DIN 4102-1
Dimensional stability		
Elongation 24 h -10 daN/5 cm (warp/weft)	< 1% / < 1%	EN 15977
Residual elongation	< 0.4% / < 0.4%	EN 15977
Thermal and acoustic performances		
Heat transfer coefficient (vertical/horizontal)	U = 5.6 / 6.4 W / sqm / °C	Calculated
Acoustic weakening index	15 dBA	ISO 140-3 & ISO 717-1
Solar optical values		
Visible light Transmittance (Tv)	9.5%	NFP 38511
	5.5%	EN 410
Solar Reflectance Index (SRI)	86,1%	ASTM E1980-01 (Approach II)
Light Fastness	≥7 grade	ISO 105-B02
Treatment	Surface PVDF coating, UV-resistant and antibacterial	