

CSP® TPO Fleece-back | 80 mils

TECHNICAL DATA

COATED FABRIC SPECIFICATIONS*

Thickness, overall	80±8 mils
Thickness, over scrim (min)	24 mils
Fabric Backing	Polyester Fleece
Coating Type	TPO

Revision Date: 30 Sep 2025
Expiry Date: 30 Sep 2030

PROPERTY		MINIMUM	TYPICAL	TEST METHOD
Tensile Strength, Grab	Warp/Fill	275 / 300 lbs	390 / 395 lbs	ASTM D751A
Tear Strength, Tongue	Warp/Fill	65 / 65 lbs	130 / 115 lbs	ASTM D5884
Puncture Strength (FTMS 101 ^o C)		275 lbs	525 lbs	Method 2031
Abrasion Resistance (H18/1kg)		2,000 cycles	3,000 cycles	ASTM D3884
Ply Adhesion		30 lbs/2"	40 lbs/2"	ASTM D751
Seam Peel Adhesion		35 lbs/in	50 lbs/in	ASTM D751
Water Absorption		<3%	1%	ASTM D471
Dimensional Stability (1 hr/100 ^o C)		<1%	0.5%	ASTM D1204
Low Temperature Bend		-40 ^o F		ASTM D2136
Ozone Resistance (no cracks)		Pass		ASTM D1149
Properties After Oven Aging (retained)				
Tensile Strength		90% (minimum)		ASTM D751A
Tensile Elongation		90% (minimum)		ASTM D871A
Tear Strength		60% (minimum)		ASTM D5884
Properties after 2 yr Weathering (retained)				
Tensile Strength		90% (minimum)		ASTM D751B
Tensile Elongation		90% (minimum)		ASTM D751B
Solar Reflectance (white)		0.79		ASTM C1549
Solar Emittance (white)		0.87		ASTM E408
Solar Reflective Index (white)		98		ASTM E1980

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