

TRASPIR 150

HIGHLY BREATHABLE MEMBRANE



COMPOSITION

top layer
non-woven PP fabric

middle layer
PP breathable film

bottom layer
non-woven PP fabric



TECHNICAL DATA

Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	150 g/m ²	0.49 oz/ft ²
Thickness	EN 1849-2	0,7 mm	28 mil
Water vapour transmission (Sd)	EN 1931	0,02 m	-
Water vapour transmission (dry cup)	ASTM E96/ E96M	125 US perm	-
		7115 ng/(s·m ² ·Pa)	-
Maximum tensile force MD/CD	EN 12311-1	350 / 210 N/50mm	40 / 24 lb/in
Elongation MD/CD	EN 12311-1	100 / 125 %	-
Resistance to nail tearing MD/CD	EN 12310-1	190 / 225 N	43 / 51 lbf
Watertightness	EN 1928	class W1	-
Temperature resistance		-40 / 80 °C	-40 / 176 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,04 m ³ /(m ² h50Pa)	< 0.002 cfm/ft ² at 50Pa
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 215 kg/m ³	approx. 0.12 oz/in ³
Water vapour resistance factor (μ)	-	approx. 40	approx. 0.1 MNs/g
VOC content	-	0 %	-
UV stability ⁽¹⁾	EN 13859-1/2	3 months	-
Exposure to weather ⁽¹⁾	-	2 weeks	-
Water column	ISO 811	> 250 cm	> 98 in
After ageing:			
- watertightness	EN 1297 / EN 1928	class W1	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	310 / 180 N/50mm	35 / 21 lb/in
- elongation	EN 1297 / EN 12311-1	45 / 60 %	-
Flexibility at low temperatures	EN 1109	-40 °C	-40 °F

⁽¹⁾ For the correlation between laboratory tests and actual conditions, see page 199.

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
T150	TRASPIR 150	-	1,5	50	75	5	164	807	25
TTT150	TRASPIR 150 TT	TT	1,5	50	75	5	164	807	25
T15030	TRASPIR 150 3,0 m	-	3	50	150	10	164	1615	25