

TRASPIR NET 160

HIGHLY BREATHABLE MEMBRANE



COMPOSITION

top layer
non-woven PP fabric

reinforcing layer
reinforcing PP grid

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	160 g/m ²	0.52 oz/ft ²
Thickness	EN 1849-2	0,7 mm	28 mil
Water vapour transmission (Sd)	EN 1931	0,02 m	174.825 US perm
Maximum tensile force MD/CD	EN 12311-1	420 / 420 N/50mm	48 / 48 lb/in
Elongation MD/CD	EN 12311-1	25 / 20 %	-
Resistance to nail tearing MD/CD	EN 12310-1	390 / 360 N	88 / 81 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	< 0,035 m ³ /(m ² h50Pa)	< 0.002 cfm/ft ² at 50Pa
Thermal conductivity (λ)	-	0,04 W/(m·K)	0.02 BTU/h·ft·°F
Specific heat	-	1568 J/(kg·K)	-
Density	-	approx. 230 kg/m ³	approx. 0.13 oz/in ³
Water vapour resistance factor (μ)	-	approx 28	approx. 0.1 MNs/g
VOC content	-	0 %	-
UV stability ⁽¹⁾	EN 13859-1/2	3 months	-
Exposure to weather ⁽¹⁾	-	3 weeks	-
Water column	ISO 811	> 500 cm	> 197 in
After ageing:			
- watertightness	EN 1297 / EN 1928	class W1	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	385 / 390 N/50mm	44 / 45 lb/in
- elongation	EN 1297 / EN 12311-1	20 / 15 %	-
Flexibility at low temperatures	EN 1109	-20 °C	-4 °F
Driving rain test	TU Berlin	passed	-

⁽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]	
T160	TRASPIR NET 160	-	1,5	50	75	5	164	807	25
TTT160	TRASPIR NET 160 TT	TT	1,5	50	75	5	164	807	25