

BARRIER ALU NET SD150

100 g/m²



REFLECTIVE VAPOUR BARRIER Sd 150 m

COMPOSITION

- 1 top layer: functional aluminized PE film
- 2 reinforcing layer: reinforcing PE grid
- 3 bottom layer: PE functional film



TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	100 g/m ²	0.33 oz/ft ²
Thickness	EN 1849-2	0,2 mm	8 mil
Water vapour transmission (Sd) ⁽¹⁾	EN 1931/EN ISO 12572	150 m	0.023 US Perm
Tensile strength MD/CD	EN 12311-2	> 230/230 N/50 mm	> 26/26 lbf/in
Elongation MD/CD	EN 12311-2	15/10 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 110/110 N	> 25/25 lbf
Watertightness	EN 1928	compliant	-
Water vapour resistance:			
- after artificial ageing	EN 1296/EN 1931	compliant	-
- in the presence of alkalis	EN 1847/EN 12311-2	npd	-
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)	< 0.001 cfm/ft ² at 50Pa
Resistance to temperature	-	-40/80 °C	-40/176 °F
Indirect exposure to UV rays	-	2 weeks	-
Thermal conductivity (λ)	-	0,39 W/(m·K)	0.23 BTU/h·ft·°F
Specific heat	-	1700 J/(kg·K)	-
Density	-	approx. 500 kg/m ³	approx. 31 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 750000	approx. 750 MNs/g
VOC	-	not relevant	-
Reflectivity	EN 15976	approx. 50 %	-
Equivalent thermal resistance with 50 mm air gap (ε _{other surface} 0,025-0,88)	ISO 6946	R _{g,0,025} : 0,799 (m ² K)/W R _{g,0,88} : 0,304 (m ² K)/W	4.54 h·ft ² ·°F/BTU 1.73 h·ft ² ·°F/BTU

⁽¹⁾Consult the Declaration of Performance for the minimum value.

Waste classification (2014/955/EU): 17 02 03.

CODES AND DIMENSIONS

CODE	description	mass per unit area [g/m ²]	tape	roll [m]	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
BARALU150	BARRIER ALU NET SD150	100	-	1,5 x 50	1,5	50	75	5	164	807	80
BARALUTT150	BARRIER ALU NET SD150 TT	100	TT	1,5 x 50	1,5	50	75	5	164	807	80
BARALU15030	BARRIER ALU NET SD150 3,0 m	100	-	3,0 x 50	3	50	150	10	164	1615	45