DS 46 PE

Synthetic barrier

Riwega | eternitycomfort

Technical data sheet of 06/02/2014

Art. 02064009

Rev.05.1 of 03/05/2024

Material	Reinforced PE
Film	-
Colour	Semitransparent white
Roll width	1,5 m
Roll length	50 m
Roll weight	9 Kg
Classification in accordance with UNI 11470 (IT)	D
Classification in accordance with Önorm B4119/B3661 (AT)	Typ I
Classification in accorance with SIA 232-1 (CH)	VU-VO
Conforms to DTU (FR)	31.2

CE

EN 13984

10 years guarantee

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m^2	110 (±10g/m2)
Air layer equivalent to the vapour passage [Sd]	EN ISO 12572	m	40
Water vapour diffusion [DVA]	EN ISO 12572	g/m^2 / 24h	ca. 0,6
Water column	EN 20811	cm	-
Resistance to water penetration	EN 13984 (EN1928 Met.A)	-	Passed
Tensile strength MD*	EN 12311-1	N/50mm	220 (±30N/50mm)
Tensile strength CD*	EN 12311-1	N/50mm	190 (±30N/50mm)
Elongation MD*	EN 12311-1	%	30 (±15%)
Elongation CD*	EN 12311-1	%	35 (±15%)
Resistance to tearing MD*	EN 12310-1	N	155 (±15N)
Resistance to tearing CD*	EN 12310-1	N	145 (±15N)
Fire reaction	EN 13501-1	Class	F
UV-stability	-	Months	-
Temperature resistance	-	°C	-40 / +80 (up to +90°C for short periods)
Durability			
Artificial ageing	EN 1926	-	Passed
Alkali resistance	EN 13984 (EN1928 Met.A)	-	npd**

Density	EN 1849-1	Kg/m^3	500
Thickness	EN 1849-2	mm	0,22
Vapour resistance coefficient [μ]	EN ISO 12572	-	181818
Vapour permeability coefficient	-	Kg/m*s*Pa	0,0011*10-12
Thermal conductivity [λ]	-	W/mK	0,4
Specific heat	-	J/KgK	1800

* MD= Machine Direction; CD= Cross Direction.

**npd=no performance determined

Riwega S.r.l. reserves the possibility to review or change these technical values. The updated technical data sheet can be found on the website www.riwega.com. This data sheet replaces the previous copy.