USB Reflex Plus

Highly breathable reflective membrane

Riwega | eternitycomfort

Technical data sheet of 06/02/2014
Art. 02010302
Rev.05 of 14/07/2022

Material	PP.PP.Alu.PE	CE EN 13859 - 1/2
Film	PP	
Colour	Silver	
Durability under integrated FTV	No	
Roll width	1,5 m	
Roll length	50 m	10 years guarantee
Roll weight	15 Kg	
Classification in accordance with UNI 11470 (IT)	A	
Classification in accordance with ZVDH (DE)	UDB-A - USB-A	
Classification in accordance with Önorm B4119/B3661 (A	Typ I	
Classification in accorance with SIA 232-1 (CH)	UD EB-NB wU-fU	
Conforms to DTU (FR)	40.29	
Available in TOP SK version	Art.02020309	

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m^2	200 (±10g/m2)
Air layer equivalent to the vapour passage [Sd]	EN ISO 12572	m	0,045
Water vapour diffusion [DVA]	EN ISO 12572	g/m^2 / 24h	ca.530
Water column	EN 20811	cm	> 350
Heavy rain test	TU Berlin	-	Passed
Resistance to water penetration	EN 1928 (Met. A)	-	W1
Tensile strength MD*	EN 12311-1	N/50mm	350 (±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	%	70 (±15%)
Resistance to tearing MD*	EN 12310-1	N	200 (±15N)
Resistance to tearing CD*	EN 12310-1	N	200 (±15N)
Fire reaction	EN 13501-1	Class	E
UV-stability	-	Months	4
Temperature resistance	-	°C	-40 / +100
Reflection coefficient	-	R	0,95
Emission coefficient	EN 15976	ε	0,05
Absorption coefficient	-	α	0,168
After artificial ageing			
Resistance to water penetration	EN 1928 (Met. A)	-	W1
Tensile strength MD/CD*	EN 12311-1	N/50mm	330 / 175
Elongation MD/CD*	EN 12311-1	%	25 / 50

Density	EN 1849-1	Kg/m^3	400
Thickness	EN 1849-2	mm	0,5
Vapour resistance coefficient [μ]	EN ISO 12572	-	90
Vapour permeability coefficient	-	Kg/m*s*Pa	2,1444*10-12
Thermal conductivity [λ]	-	W/mK	0,22
Specific heat	-	J/KgK	1700

* MD= Machine Direction; CD= Cross Direction.

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.