



USB Protector Head FH 240 VK

Pre-assembled highly breathable membrane for hot welding
Riwega | eternitycomfort

Rev.02

Technical data sheet
of 28/05/2021
Art. 02050211
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Material	PP-composite	 EN 13859-1
Film	UV50 PUR	
Colour	Light tobacco	
Durability under integrated FTV	Yes	 25 years guarantee
Dimensions	Pre-assembled based on the project	
Classification in accordance with UNI 11470 (IT)	A	
Classification in accordance with ZVDH (DE)	UDB-A - USB-A	
Classification in accordance with SIA 232 (CH)	UD AB-EB-NB	
Classification in accordance with DTU (FR)	40.29	
Classification in accordance with Önorm B4119/B3661 (AT)	Typ I	

PROPERTIES	METHOD	UNITS	NOMINAL VALUE
Areal mass	EN 1849-2	g/m ²	240 (±10g/m ²)
Air layer equivalent to the vapour passage [Sd]	EN 1931	m	0,1
Water vapour diffusion [DVA]	EN ISO 12572	g/m ² / 24h	approx. 200
Water column	EN 20811	cm	> 800
Heavy rain test	TU Berlin	-	Passed
Resistance to water penetration	EN 1928 (Met. A)	-	W1
Tensile strength MD*	EN 12311-1	N/50mm	390 (±40N/50mm)
Tensile strength CD*	EN 12311-1	N/50mm	290 (±40N/50mm)
Elongation MD*	EN 12311-1	%	30 (±30%)
Elongation CD*	EN 12311-1	%	50 (±30%)
Resistance to tearing MD*	EN 12310-1	N	300 (±30N)
Resistance to tearing CD*	EN 12310-1	N	400 (±30N)
Fire reaction	EN 13501-1	Class	E
UV-stability	-	Months	8
Temperature resistance	-	°C	-40 / +120

After artificial ageing

Resistance to water penetration	EN 1928 (Met. A)	-	npd**
Tensile strength MD/CD*	EN 12311-1	N/50mm	npd**
Elongation MD/CD*	EN 12311-1	%	npd**

Density	EN 1849-1	Kg/m ³	258
Thickness	EN 1849-2	mm	0,93
Vapour resistance coefficient [μ]	EN ISO 12572	-	108
Vapour permeability coefficient	-	Kg/m*s*Pa	1,787*10 ⁻¹²
Thermal conductivity [λ]	-	W/mK	0,22
Specific heat	-	J/KgK	1700

*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.