

PHYSICAL PROPERTIES

PRODUCT IDENTIFICATION

Product: **PVC Strip**
Surface shape: **Flat**
Designation: **ScreenFlex™**

PACKAGING

Cardboard Carton and PVC Film
Identity & Tracability labels on each roll: 1 External & 1 Internal
Each roll specifically numbered

TECHNICAL SPECIFICATIONS

PROPERTY	Standard	Unit	Value	Description
Shore A hardness	EN ISO 868	Sh A	80	Index based on a flat indenter's penetration depth. Scale from 0 (Soft) to 100 (Hard).
Tearing resistance	DIN 53515	N/mm	55	Minimum tensile stress required to tear a pre-slit sample.
Tensile strength at break	ASTM D 638 EN ISO 527	N/mm ²	18	Maximum tensile stress that a material can be subjected to before break.
Elongation at break		%	300	Elongation of the specimen at the break point under tensile stress.
Residual elong. (after break)		%	62	Permanent elongation of the specimen measured after rupture in a tensile test.
Thermal conductivity	ASTM C 177	W/m.K	0.16	Ability to conduct heat. The Lower it is, the more insulation.
Cold bend brittle temperature	ISO 8570	°C	-25	Temperature at which the specimen break under torsion stress. Brittle point (CLASH & BERG).
Usage temp. range	EN 1876	°C	-15/+50	Temperature range where material keep its mechanical properties (flexibility).
Vicat softening temp.	EN ISO 306	°C	50	Temperature at which the specimen is penetrated to a depth of 1 mm by a 1 kg flat indenter of 1 sq. mm.
Specific heat capacity	ISO 11357	kJ/kg.K	1.6	Heat energy required to increase the temperature of one kilogram of the material by one degree Celsius.
Sound reduction	DIN 52210	dB	>35	Average sound level (freq. 0,1 to 3,2 kHz) decreased by a 1,76 sq.m. and 5 mm thick PVC curtain.
Reaction to fire	NF P 92-507 AS/NZS 3837 DIN 4102	Grade	EN 1598	Standard classifications of material self-extinguishing and resistance to combustion.
Light transmittance	ASTM D 1003	%	≤ 13	Visible light rate transmitted through the material.
UV/IR filter	EN 1598	Filter	EN 1598	Ability to filter welding rays allowing the use of this material as a welding protection screen.
UV resistance	ISO4892	-	High	Ability of the product to resist to UV ageing.
Charge buildup	IEC 61087	Sparks	Yes	Earthed sample is rubbed with cotton, acrylic and nylon rubbers. At electrode approach, spark appears or doesn't.
Surface resistivity	IEC 60093	.10 ¹² Ω/□	40	Material surface electric resistivity measured with a 500 V direct voltage.
Water absorption	EN ISO 62	%	-0.2	Material mass variation after exposure to humid conditions. (<0 if released / >0 if absorbed)
Density	ASTM D 792	g/cm ³	1.22	Mass per unit volume

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