

Technical data - Transparent clear PVC strip curtains

rev 2024/07

PROPERTY	STANDARD	UNITS	STANDARD	DESCRIPTION
Light transmittance	ASTM D1003	%	85	Visible light rate transmitted through the material.
Shore A hardness	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	50	Minimum tensile stress required to tear a pre-slit sample.
Tensile strength at break	ASTM D638 ISO 527	N/mm ²	16	Maximum tensile stress that a material can be subjected to before break.
Elongation at break		%	340	Elongation of the specimen at the break point under tensile stress.
Residual elong. (after break)		%	68	Permanent elongation of the specimen measured after rupture in a tensile test.
Thermal conductivity	ASTM C177	W/m·K	0.16	Ability to conduct heat. The lower it is, the more insulation.
Cold bend brittle temp.	ISO 8570	°C	-35	Temperature at which the specimen break under torsion stress. Brittle point (Clash & Berg).
Min. usage temperature	DIN EN 1876	°C	-15	Temperature range where material keep its mechanical properties (flexibility).
Max. usage temperature		°C	+50	
Vicat softening temperature	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 mm ² .
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 (frequency 0.1 to 3.2 kHz) decreased by a 1.76 m ² and 5 mm thick PVC curtain.
Reaction to fire	EN 13501-1:2007	Class	-	Standard classifications of material self-extinguishing and resistance to combustion.
UV/IR filter	ISO EN 25980	-	-	Ability to filter welding rays allowing the use of this material as a welding protection screen.
UV resistance	ISO 4892	-	Yes	Ability to resist to UV (sun, welding arc).
Surface resistivity	ASTM D257	.10 ¹⁰ Ω/□	30	Material surface electric resistivity measured with a 100 V direct voltage.
Water absorption	ISO 62	%	-0.2	Material mass variation after exposure to humid conditions (<0 if released/ >0 if absorbed).
Anti-insect	-	-	No	Special ability to keep insects away (food processing plants, tropical regions).
Density	ASTM D792	g/cm ³	1.22	Mass per unit volume.

The data contained in this technical specification is given for information only and is based on our current knowledge of the products concerned. This information given to our customer in good faith to inform him and to help him in his search, does not constitute any formal or implicit guarantees as to its use. Data supplied by Extruflex for Clear PVC. E&OE



Strip Curtain Solutions

071 068 6462 stripcurtainsolutions@gmail.com <https://stripcurtainsolutions.co.za>