

FLEXIBLE PVC TECHNICAL SPECIFICATIONS



DESCRIPTIONS

PROPERTY	STANDARD	DESCRIPTION
Light Transmittance	ASTM D 1003	Visible light rate transmitted through the material.
Shore A Hardness	EN ISO 868	Index based on flat indenter's penetration depth. Scale from 0 (soft) to 100 (Hard).
Tearing resistance	DIN 53515	Minimum tensile stress required to tear a pre-slit sample.
Tensile strength at Break	ASTM D 638	Maximum tensile stress that a subject can be subjected to before break.
Elongation at break	ENISO 527	Elongation of the specimen measured after rupture in a tensile test.
Residual elong. (After break)	ASTM D 638	Permanent elongation of the specimen measured after rupture in a tensile test.
Thermal conductivity	ASTM C 177	Ability to conduct heat. The Lower it is, the more insulation.
Cold Bend Brittle Temp	ISO 8570	Temperature in which the specimen breaks under tension stress. Brittle Point (CLASH & BERG)
Min. Usage Temp	EN1876	Temperature range where material keeps its mechanical properties (flexability)
Max. Usage Temp	EN1876	Temperature range where material keeps its mechanical properties (flexability)
Vicat Softening Temp.	ES ISO 306	Temperature in which the specimen is penetrated to a depth of 1mm by a 1kg flat indenter of 1sq. mm
Specific Heat Capacity	ISO 11357	Heat Energy required to increase the temperature of one kg of the material by one degree Celsius.
Sound Reduction	DIN52210	Average Sound Level (freq 0,1 to 3,2 kHz) decreased by a 1,76 sq.m and 5mm thick PVC curtain
Reaction to Fire	NF P 92-507 AS/NZS 3837 DIN 4102	Standard classifications of Material self-extinguishing and resistance to combustion.
UV/IR filter	EN 1598	Ability to filter welding rays to allow the use of this material as a welding protection screen.
UV resistance	ISO 4892	Ability to resist to UV (Sun, Welding arc).
Charge Buildup	IEC 61087	Earthed sample is rubbed with cotton, acrylic and nylon rubbers. At electrode approach, spark does not appear
Surface resistivity	IEC 60093	Material surface electric resistivity measured with a 500 V direct Voltage.
Water absorption	EN ISO 62	Material mass variation after exposure to humid conditions. (≤ 0 if released / ≥ 0 if absorbed)
Anti Insect		Special ability to keep insects away. (Food processing plants, tropical regions)
Density	ASTM D 792	Mass per unit Volume

The data contained in this technical specification is given for information only and is based on current knowledge of the products concerned.

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