CHANGZHOU RUNYI NEW MATERIAL IMPORT&EXPORT CO.,LTD

PVC Curtain Strip-Technical Data Sheet

PROPERTY	STARDARD	UNITS	STANDARD	DESCRIPTION
Light transmittance	ASTM D 1003	%	85	Visible light rate transmitted through the material
Shore A hardness	EN ISO 868	Sh A	80	Index based on a flat indenters 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 D 638	N/mm2	16	Maximum tensile stress that a material can be subjected to before break
Elongation at break	EN ISO 527	%	340	Elongation of the specimen measured after rupture in a tensile test.
Residual along (after break)	ASTM C 177	%	68	Permanent elongation of the specimen measured after rupture in a tensile test
Thermal conductivity	ISO 8570	W/m K	0,16	Ability to conduct heat. The lower it is, the more insulation
Cold bend brittle temp.	EN 1876	0C	-35	Temperature at which the specimen break under torsion stress. Brittle point (CLASH & BERG)
Min. Usage temp.	EN 1870	0C	-15	Temperature range where material keep its mechanical properties (flexibility)
Max. Usage temp.	EN 1870	0C	+50	Temperature range where material keep its mechanical properties (flexibility)
Vicat softening temp.	EN ISO 306	0C	50	Temperature at which the specimen is penetrated to a depth of 1mm by a 1kg flat indenter of 1sq. 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 5mm thick PVC curtain
Reaction to fire	EN 13501-1:2007	Class	–	Standard classifications of material self-existinguishing and resistance to combustion
UV/IR filter	EN 1598 & ISO 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 D 257	1010 Ω	30	Material surface electric resistivity measured with a 100 V direct voltage
Water absorption	EN 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 D 792	g/cm3	1,30	Mass per unit volume

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