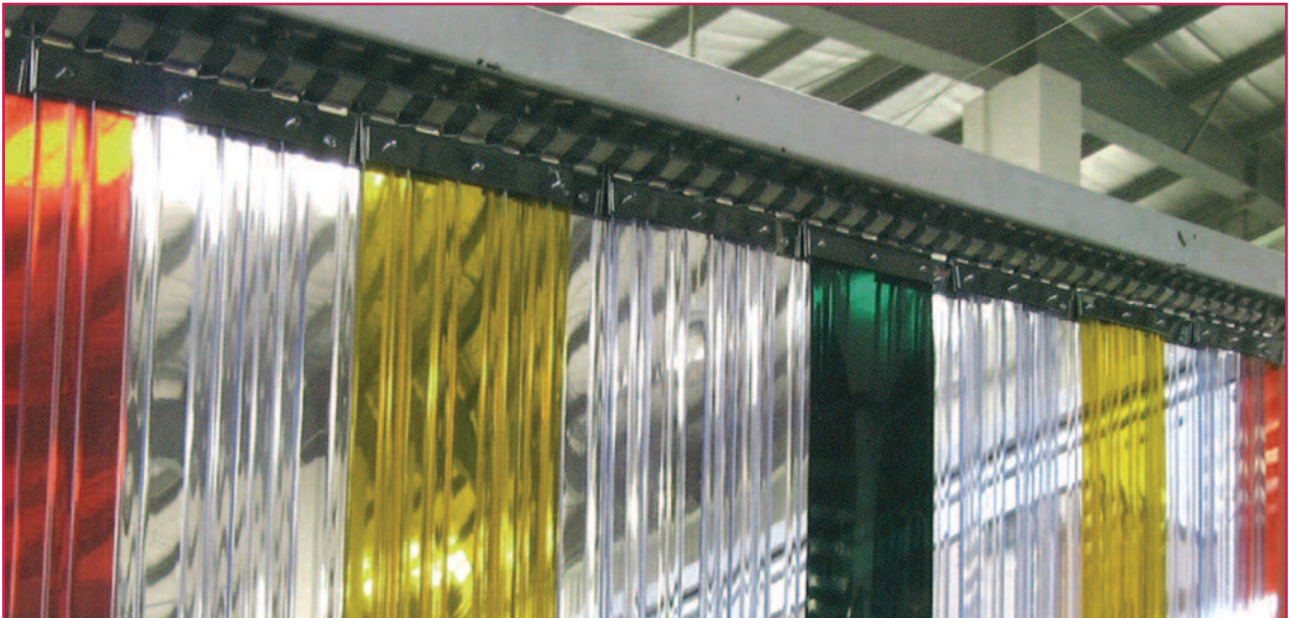


# Flexible PVC: Strips & Sheets



“maintenance made easy”



## PRODUCT DESCRIPTION

**PVC (polyvinyl chloride) is one of the oldest and most commonly used plastics offering a wide range of different qualities and end uses. Granulates of PVC compound are obtained by blending PVC resin, plasticizers and specific additives to combine flexibility and other required qualities. Granules are extruded and formed into strips and sheets with an extensive range of finished dimensions.**

**Flexible PVC offers the best economic ratio between sound insulation, heat protection and investment.**

### TYPICAL USES

Soft PVC Strips & Sheets are ideal for use in: industrial flexible doors; partitions; protective screens; machine covers; tanks; basins; galleries; furnishing protection etc.

### SPECIFIC PROPERTIES

The addition of special additives offer specific properties to flexible PVC for particular applications:

- Cold resistant
- Reinforced sheets
- UV & IR filters
- Anti-static
- Transparent or opaque
- Perfumed
- Freeze resistant
- Ribbed or flat strips
- High fire resistance
- Anti-insect
- Wide range of colours
- High UV resistance

## GENERAL PROPERTIES

### SAFETY

- Supple and flexible
- Easy to clean
- Transparent
- Non toxic

### ECONOMIC

- Energy efficient
- Longevity
- Cost effective
- Recyclable

### EFFICIENT

- Thermal insulator
- Fast operating
- Sound reduction
- Water & air tight

### RESISTANT

- Impact and tearing
- Fire resistant
- Chemical aggression
- UV resistant

## PRODUCT SPECIFICATIONS

### STANDARD DIMENSIONS: STRIP ROLLS (Roll length = 50m)

Width (mm)	100		200		300			400		
Thickness (mm)	2	3	2	3	2	3	4	3	4	5

### TECHNICAL SPECIFICATIONS:

PROPERTY	Standard	Unit	Standard	Reinforced	Polar	Super Polar	Anti-Insect	Anti-Static	High fire retardant	High UV resistant	Hard Neutral
Light transmittance	ASTM D1003	%	85	85	85	85	80	85	85	80	85
Shore A hardness	EN ISO 868	Sh A	80	80	65	62	80	80	80	80	85
Tearing resistance	DIN 53515	N/mm	50	80	28	25	50	50	65	50	65
Tensile strength at break	ASTM D638 EN ISO 527-2	N/mm <sup>2</sup>	16	16	12	10	16	16	20	16	20
Elongation at break		%	340	340	390	420	340	340	280	340	280
Residual elong. (after break)		%	68	60	76	80	68	68	60	68	60
Thermal conductivity	ASTM C 177	W/m.K	0,16	0,16	0,16	0,16	0,16	0,16	0,16	0,16	0,16
Cold bend brittle temp.	ISO 8570	°C	-35	-35	-40	-65	-35	-35	-20	-35	-20
Min. usage temp.	EN 1876	°C	-15	-15	-25	-60	-15	-15	0	-15	0
Max usage temp.		°C	+50	+50	+30	+15	+50	+50	+50	+50	+50
Vicat softening temp.	EN ISO 306	°C	50	50	48	46	50	50	50	50	50
Specific heat capacity	ISO 11357	kJ/kg.K	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Sound reduction	DIN 52210	dB	>35	>35	>35	>35	>35	>35	>35	>35	>35
Fire retardance	NF P 92-507 AS/NZS 3837 DIN 4102	Grade	Grp4 B2	Grp4 B2	-	-	Grp4 B2	Grp4 B2	M2 Grp3	Grp4 B2	Grp4 B2
UV/IR filter	EN 1598	Filter	-	-	-	-	-	-	-	-	-
UV resistance	ISO 4892	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	High	Yes
Charge build-up	IEC 61087	Sparks	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Surface resistivity	IEC 60093	Ω / □	4.10 <sup>13</sup>	4.10 <sup>13</sup>	4.10 <sup>13</sup>	4.10 <sup>13</sup>	4.10 <sup>13</sup>	2.10 <sup>12</sup>	4.10 <sup>13</sup>	4.10 <sup>13</sup>	4.10 <sup>13</sup>
Water absorption	EN ISO 62	%	-0,2	-0,2	-0,2	-0,2	-0,2	1 to 1,6	-0,2	-0,2	-0,2
Anti-insect	-	-	No	No	No	No	Yes	No	No	No	No
Density	ASTM D792	g/cm <sup>3</sup>	1,22	1,23	1,18	1,18	1,22	1,22	1,33	1,22	1,29



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