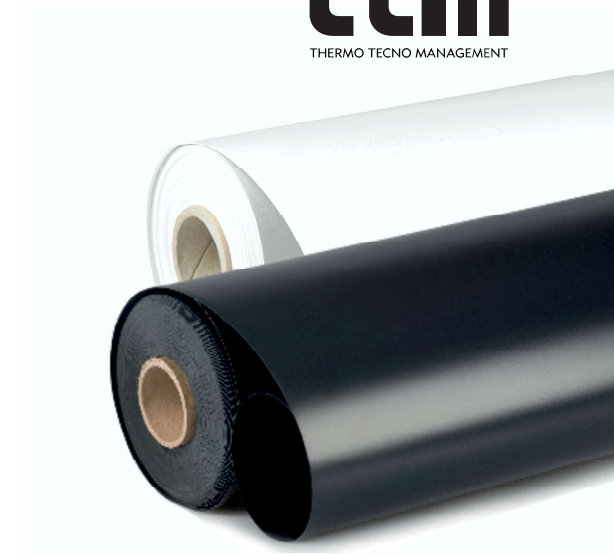


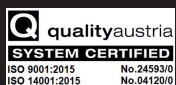


ISOLPAK[®] PVC

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Subject to change. If in doubt please get in touch with us.
The application examples can be taken into account as particular situations. We decline, therefore, every responsibility for other applications.

Jacketing in PVC Isolpak®

Isolpak® is a special rigid PVC jacketing film for insulated piping. This plastic sheet ensures a clean installation. It's application is easy and fast due to the curl (recoil) effect.

For jacketing of insulated pipes. A dry, clean fitting is guaranteed. The inherent curl makes it the ideal material for quick and easy covering.

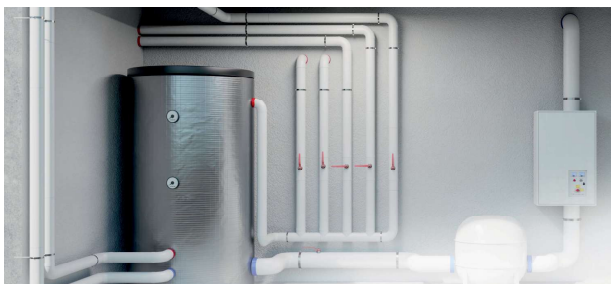
Isolpak® is self-extinguishing and has considerable resistance to acids, alkalis, salts, oil, petrol, aliphatic hydrocarbons and corrosive atmospheres. In addition, the material cannot corrode and is virtually impermeable to water vapour. It is unaffected by fresh and salt water and is impervious to gases, grease and oil. Isolpak® is very light: one square metre, 0.350 mm thick, weighs only about 500 g. This low weight and ease of stacking facilitates transportation and storage.

Physiologically harmless, Isolpak® has a light grey smooth surface which guarantees a long lasting elegant appearance. It requires no care or maintenance and it also has very good antistatic characteristics.



The material has considerable resistance to temperature changes and is stable from -20°C up to +55°C in indoor use.

The thermal conductivity λ of Isolpak® is 0.16 W/mK.



Material	temp. °C	resistance
Acetaldehyde up to 40%, aqueous	20	□
Acetone, aqueous	20	○
Aldehyde, 100%	20	○
Aluminium salts	40	●
Ammonia, aqueous	40	●
Ammonia, gaseous	60	●
Benzene (pure aliphatic hydrocarbons)	60	●
Benzene-benzole mix (fuel)	20	□
80/20% (carb.)	20	□
Chlorine, gaseous (>1%), wet	20	□
Chlorine, gaseous, dry	20	□
Hydrogen chloride, dry	60	●
Iron salts, diluted solutions	40	●
Iron salts, saturated solutions	60	●
Acetic acid, 25-60%	60	●
Ethyl alcohol, solutions	40	●
96%	60	□
Glycerine	60	●
Potassium hydroxide solution, 50%	60	●
Potassium salts	40	●

Material	temp. °C	resistance
Sodium chloride	40	○
Carbon monoxide, 100%, gaseous	60	●
Methyl alcohol, every conc.	40	●
Mineral oils	60	●
Sodium hydroxide, 60%, aqueous	60	●
Mercury	60	●
Nitric acid, diluted, aqueous 30-50%	50	●
Nitric acid, diluted, aqueous 50-65%	20	●
Nitric acid, diluted, aqueous 96%	20	○
Hydrochloric acid, aqueous up to 30%	60	●
Hydrogen, gaseous	60	●
Sulphur dioxide, gaseous (wet)	40	●
Sulphur dioxide, gaseous (dry)	60	●
Sulphuric acid, 40-80%	60	●
Sulphuric acid, 80-90%	40	●
Sulphuric acid, 96%	20	○
Sulphuric acid, 96%, fuming	60	□
Carbon tetrachloride	20	○
Hydrogen, gaseous	60	●

● resistant □ resistant under certain conditions ○ non resistant

PVC elbows

For the jacketing of the elbows and connections there are available special preformed bends and T-sections in many different sizes. Our complete product range guarantees that the system looks complete and professional.

Especially to ensure an easy and fast optimized application of the different accessories like: preformed bends, T-sections, technical adhesive tapes, aluminium end caps, special nails and glue. Every accessory is perfectly matching the original colour of Isolpak® to guarantee a perfect optic.

The ease of cleaning, combined with the non-toxic, odourless and tasteless properties of the material and its attractive appearance make it suitable for industrial and commercial applications.

Pipe diameter		Insulation thickness (mm)											
mm	Inch	10	15	20	25	30	40	50	60	70	80	90	100
12			●	●									
17	3/8		●	●	●	●	●	●	●				
21	1/2	●	●	●	●	●	●	●	●	●			
27	3/4		●	●	●	●	●	●	●				
34	1		●	●	●	●	●	●	●	●	●		
43	1 1/4		●	●	●	●	●	●	●	●	●	●	
48	1 1/2		●	●	●	●	●	●	●	●	●	●	●
60	2		●	●	●	●	●	●	●	●	●	●	●
70			●	●	●	●	●	●	●	●			
76	2 1/2		●	●	●	●	●	●	●	●	●	●	●
89	3		●	●	●	●	●	●	●	●	●	●	●
102			●	●	●	●	●	●	●	●	●	●	●
108			●	●	●	●	●	●	●	●	●	●	●
114	4		●	●	●	●	●	●	●	●	●	●	●
134			●	●	●	●	●	●	●	●	●	●	●
140	5		●	●	●	●	●	●	●	●	●	●	●
150			●	●	●	●	●	●	●	●	●	●	●
168	6		●	●	●	●	●	●	●	●	●	●	●
194			●	●	●	●	●	●	●	●	●	●	●
219			●	●	●	●	●	●	●	●	●	●	●
267			●	●	●	●	●	●	●	●	●	●	●
273	10		●	●	●	●	●	●	●	●	●	●	●
324	12		●	●	●	●	●	●	●	●	●	●	●



S and 3S standard bends in 90° and 45° / W-bends with short radius and H-bends with long radius / T-Sections

Technical data for the Isolpak and the foil for the PVC preformed bends

Eigenschaften	Values	Metric values	Measuring method
Thickness.....	10, 15, 20 mil	0.25, 0.38, 0.50 mm	
Width.....	35 1/2 in, 48 in	1 m, 1.20 m	
Impact strength.....	≥ 400 kJ/m²		DIN EN ISO 8256
Tensile strength.....	> 5076 lbf/in²	> 35 N/mm²	DIN EN ISO 527
Elongation at break.....	150 %		
Elasticity modulus.....	ca. 261088 lbf/in²	ca. 1800 N/mm²	DIN EN ISO 527
Linear heat expansion coefficient.....	0.9 x 10 ⁻⁴ (-4) 1/K		Leitz Dilatometro
Emissivity.....	97 %		ISO 10292-A
Temperature resistance.....	-4 to +140 °F	-20 to +60 °C	

