



## ISOLPAK PVC DESIGN

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## Design Jacketing in Isolpak PVC

Isolpak PVC DESIGN is the latest **innovation** of a special rigid PVC jacketing film for insulated piping. This plastic sheet ensures a unique installation. Its application is easy and fast due to the curl (recoil) effect. A dry and clean fitting is guaranteed.

For jacketing of insulated pipes. The inherent curl makes it the ideal material for quick and easy covering.

Isolpak **PVC DESIGN** 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 vapor. It is unaffected by fresh and salt water and is impervious to gases, grease and oil.

The chemical characteristics of Isolpak PVC DESIGN are matched by equally good physical characteristics: high longitudinal and lateral tear resistance, high elasticity and shock resistance.

Isolpak PVC DESIGN is very light: one squaremetre, 250mic thick, weighs only about 400g. This low weight and ease of stacking facilitates transportation and storage.

The material is physiologically harmless and requires no care or maintenance. It also has very good antistatic characteristics.

This PVC jacketing has considerable resistance to temperature changes and is stable from -20 °C up to +80 °C in indoor use.



IKEA trademark is a registered brand of NGKA Holding B.V.

The thermal conductivity  $\lambda$  of Isolpak is 0.16 W/mK.



## Isolpak PVC DESIGN fittings

For the jacketing of the elbows and connections there are special segment-welded bends and T-sections in many different sizes available, **ONLY** produced upon order. Our complete product range guarantees that the system looks uniform and professional.



The Color pigments are certified under UL 2818-2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishing.



Print Color pigments

### Technical data for the Isolpak PVC DESIGN

Characteristic	Values*	Metric Values	Test method
Roll foil thickness .....	6, 10, 15, 20 mil	0.15, 0.25, 0.35, 0.50 mm [based upon 350mic]	
Roll foil width .....	35 1/2 in, 48 in	0.6m, 1 m, 1.20 m	
Impact strength .....	≥ 400 kJ/m <sup>2</sup>		DIN EN ISO 8256
Tensile strength .....	> 5076 lbf/in <sup>2</sup>	> 35 N/mm <sup>2</sup>	DIN EN ISO 527
Elongation at break .....	150 %		
Elasticity modulus .....	ca. 261068 lbf/in <sup>2</sup>	ca. 1800 N/mm <sup>2</sup>	DIN EN ISO 527
Linear heat expansion coefficient.....	0.9 x 10 <sup>-4</sup> 1/K		Leitz Dilatometro
Emissivity ε.....	97 %		ISO 10292-A
Temperatur resistance .....	-4 to +140 °F	-20 to +60 °C	
Moisture resistance factor μ.....	ca. 60000		

\*all values in the table based upon 350mic versions



Normal protection



Recyclable



Great value for money



Accessories



Normal protection



Recyclable



Great value for money



Accessories

