



ISOLPAK ECO BLACK

Jacketing in Isolpak® ECO Black

Isolpak® ECO Black 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. The product is economically and ecologically a big step ahead to save resources

Isolpak® ECO Black is produced to **80% of recycled material**.

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 squaremetre, 0.280 mm thick, weighs only about 400g/m². This low weight and ease of stacking facilitates transportation and storage.

Physiologically harmless, Isolpak® has a black 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 +70°C in indoor use.

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



80% Recycled material



Normal protection



Recyclable



Great value for money



Accessories



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.)		
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	●
Potassiferous 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 98%	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

ECO Black Fittings and accessories

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.

Fittings

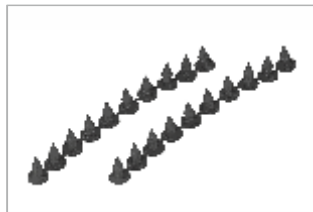


S- and 3S-Standard in 90° and 45°, W bends with short radius / T- sections



Nail puncher

to insert the PVC nails into the PVC foil



Nails

PVC nails in black color



PVC TAPE

self-adhesive PVC tape



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Accessories

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

Properties	Values	Metric values	Measuring method
Thickness.....	10mil	0,28 mm	
Width	35 1/2 in, 48 in	1.20 m	
Impact strength.....	≥ 400 kJ/m ²		DIN EN ISO 8256
Tensile strength.....	> 5076 lbf/in ²	> 35 N/mm ²	DIN EN ISO 527
Elongation at break	150 %		
Elasticity modulus ca.....	ca. 261068 lbf/in ²	ca. 1800 N/mm ²	DIN EN ISO 527
Linear heat expansion coefficient.....	0,9 x 10 ⁻⁴ (°F) 1/K		Leitz Dilatometro
Emissivity e	97 %		ISO 10292-A
Temperature resistance	-4 to +140 °F	-20 to +70 °C	
Moisture resistance factor μ	ca. 60000		

TTM GmbH
Kiefernheinweg 102/A
I-39026 Prad am Stj.
Italy - Alto Adige

info@ttm.it
www.ttm.it

Tel. +39 0473 616170
Fax +39 0473 616582