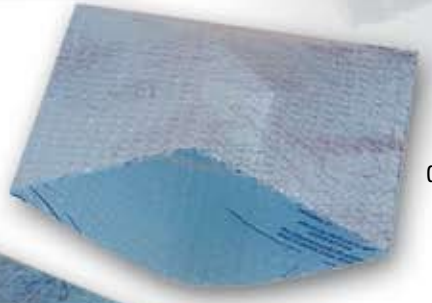
PROPABOL VCI

Economy, protection, ecology: one product, three functions!

Propabol VCI is an innovative idea by **Propack** for integrally protecting the quality of your products. **Propabol VCI** is made by laminating Polyethylene with air bubbles to Propa-film VCI, a coextruded polyethylene film added with VCI. Thanks to this laminating material **Propabol VCI** simultaneously protects your products from corrosion, impacts and friction between the different pieces inside the packing cases. Three important functions in only one product completely recyclable.
In addition, as **Propabol VCI** is transparent, you can always be sure that the items to be protected are correctly positioned.

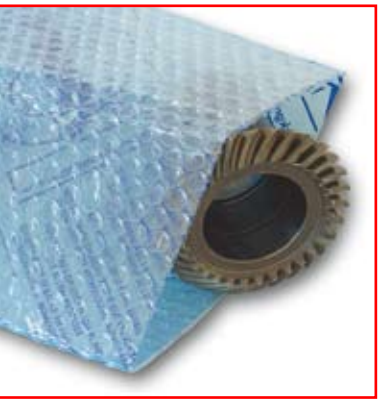
Unlike old oiling and greasing systems, **Propabol VCI** is practical, low cost and pollutes less. The manufactured good is ready for use as soon as the packing is opened and no pickling is required.



Available in rolls, sheets and bags, **Propabol VCI** is an effective and ingenious solution!

*** Propack VCI** (Volatile Corrosion Inhibitor – Inibitore Volatile di Corrosione)

PROPABOL VCI



Technical characteristics:

VCI Film

Test	U.M.	Method	50 my
Density	g/cm²	ASTM D1505/ ISO/R 1183	0,920
MFI	G/10min	ISO 1133	2
Thickness	my	ISO 4593	50 ± 10%
Width	mm	in-house by comparison	Nominal - 0+2%
Length	m	in-house by comparison	Nominal - 0+2%
Ultimate strength machine direction (MD)	N/mm²	ASTM D882	> 22
Ultimate strength cross direction (CD)	N/mm²	ASTM D882	> 21
Ultimate elongation machine direction (MD)	%	ASTM D882	> 250
Ultimate elongation cross direction (CD)	%	ASTM D882	> 350
Fire point	°C	/	> 350

Polyethylene with air bubbles

Test	U.M.	Method	Values
Thickness	my	/	98
Tensile strength - machine direction (MD)	N/mm²	ASTM D882	24
Tensile strength - cross direction (CD)	N/mm²	ASTM D882	19
Elongation - machine direction (MD)	%	ASTM D882	300
Elongation - cross direction (CD)	%	ASTM D882	500
Shearing stress 1% - machine direction (MD)	N/mm²	ASTM D882	180
Shearing stress 1% - cross direction (CD)	N/mm²	ASTM D882	220
Yield point - machine direction (MD)	N/mm²	ASTM D882	11
Yield point - cross direction (CD)	N/mm²	ASTM D882	11
Tearing stress - machine direction (MD) (Elmendorf)	KN/m	ASTM D1922	148
Tearing stress - cross direction (CD) (Elmendorf)	KN/m	ASTM D1922	57
Punching stress	N/mm	In-house method	1120

Propabol

Thickness (my)	Reel width (cm)	Reel weight (kg)	Reel volume (m³)	Reel length (m)
148	100	15 ± 10%	0.6 ± 10%	100 ± 10%

Reels of different width and weight than those indicated above may be produced on request.

Propabol is available in bags of various dimensions and custom-made sizes may be produced on request.

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