

VARINI GUARNIZIONI INDUSTRIALI

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MATERIAL DATASHEET ECOSEAL

GENERAL PROPERTIES

Compressed sheets made with organic and mineral fibers blended within a rubber matrix, suitable for a wide range of applications with minimal levels of accountability.

APPLICATIONS

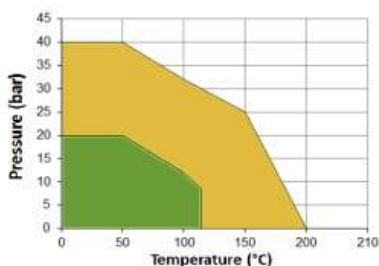
This material exhibits low gas permeability and cost, rendering it suitable for various common applications (air, water, certain oils, and heavy grease) without asbestos. Specifically engineered for water, air, gas, and general moderate-duty applications.

Constant Tightening	1.5mm THK.	2mm THK.	3mm THK.
γ (Mpa)	11.02	11.02	11.02
m	2	2	2

APPLICATION LIMITS	MAGNITUDE	UNIT OF MEASURE
Peak Temperature	140	°C
Min Temperature	-20	°C
Max Pressure	40	bar

PHYSICAL PROPERTIES		
Color	Green	
Thickness	0.5-0.8-1-1.5-2-3	mm
Sheet Size	1500x1500	mm
Density	1.8	g/cm ³
Compressibility (ASTM F36J)	8	%
Recovery (ASTM F36J)	>50	%
Tensile Strength (DIN 52910)	7	N/mm ²
Torque Retention (DIN 52913) After 16h, 175°C at 50 N/mm ²	MIN. 20	N/mm ²
Thickness Increase (ASTM F-146) after:		
5h/IRM 903 +150°C	MAX.10	%
5h/ASTM FUEL B 23°C	Max. 10	%

T x P diagramm



The P x T diagram above indicates the service limits considering the simultaneous influence of pressure and temperature (chemical suitability assumed).

The green area represents the normal service limits, for the yellow area consultation is recommended, while the orange coloured area shows the maximum application limits for which technical consultation is mandatory.

This edition cancels all previous issues. Subject to change without notice

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. Varini Guarnizioni Industriali s.n.c. does not undertake any liability of any kind whatsoever.