



# TRANSOIL

## RESISTANCE TO OILY AND GREASY PRODUCTS

TRANSOIL, a range specially designed for conveying of oily/greasy products or products impregnated with hydrocarbons, vegetable or animal fats, mineral oils, solvents, diluted acids, etc., in a temperature range between -15°C and +100°C.

Multiply structure consisting of several plies of polyester warp / polyamide weft woven fabric with rubber interfaces. The TRANSOIL range is available with five possible covers:

- **G grade**, high resistance to mineral oils and standard hydrocarbons.
- **GM grade**, resistance to vegetable and animal oils and to oleaginous products.
- **JGM grade**, anti-grease, fire proof as per ISO 340, NF EN 20340, DIN EN 20340 and EN 20340 (with covers) and anti-static as per ISO 284, EN 20284, NF EN 20284 and DIN EN 20284. Resistant to vegetable oils and oleaginous products. This grade is particularly well suited to cereal silos.
- **JGF grade**, high resistance to mineral oils and standard hydrocarbons. This cover is fireproof as per ISO 340, NF EN 20340, DIN EN 20340 and EN 20340 (with covers) and anti-static as per ISO 284, EN 20284, NF EN 20284 and DIN EN 20284.
- **JGS grade**, fireproof anti-grease as per ISO 340, NF EN 20340, DIN EN 20340 and EN 20340 flame resistant with and without covers and anti-static as per ISO 284, EN 20284, NF EN 20284 and DIN EN 20284.

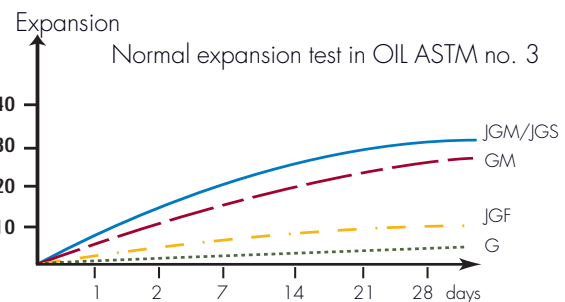
### Areas of application

- Cattle feed
- Coated fertilizers
- Foundries
- Car industry
- Port installations
- Metal recovery
- Iron and steel industry
- Cereal silos
- Sugar factories
- Urban waste treatment
- Bituminous road coating transport
- Glassworks



### COVER CHARACTERISTICS

Five types of covers are available to meet the stresses of varying degrees of severity generated by the materials handled. The standardised expansion tests (28 days at ambient temperature as per ISO 1817) give the following results in accordance with the severity of the oils.



OIL AND GREASE RESISTANCE

Cover	Oil ASTM 1	Oil ASTM 2	Oil ASTM 3	Other characteristics
GM	- 2 %	+ 2 %	+ 25 %	Average abrasion loss 120 mm <sup>3</sup>
G	- 3 %	0 %	+ 4 %	Average abrasion loss 100 mm <sup>3</sup>
JGM	- 2 %	+ 3 %	+ 30 %	Fireproof as per ISO 340, NF EN 20340, DIN EN 20340 and EN 20340 Anti-static as per ISO 284, EN 20284, NF EN 20284 and DIN EN 20284
JGF	0 %	+ 6 %	+ 8 %	
JGS	- 2 %	+ 3 %	+ 30 %	

Average values given for information

**IMPORTANT NOTICE:** This brochure has been prepared carefully, to advise our customers. The information stated therein is state of the art and the results of different tests carried out over several years. Individual operating conditions affect any product, which means that a product can only offer the safety that can be expected on the basis of the data provided in our product information. In the event that the product is used otherwise than in conformity with the specifications, such safety may not be assumed. Our responsibility is limited exclusively to delivery of the conveyor belt in accordance with the specifications.

The figures stated in our documents are mean approximate values for information but no specified or warranted values.

**Please note:** Before using the product in new areas of application which are not covered by the product information a Sempertrans engineer MUST be asked for advice. Stocking, care and maintenance of all our products must be performed according to our stocking, care and maintenance guidelines and according to ISO 5285 standard ;

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**STANDARD RANGE**

DESIGNATION	TRANSOIL	250/2	400/3		
	Calidad	JGS	G	GM	JGS
	Thickness (mm)	3+1.5	4+2	4+2	4+2
Rated width (mm)	500	★		●	●
	650	★	★	●	●
	800		★	●	●
	1000		★	●	●
	1200		★		●

The above range corresponds to our standard range. On order, manufacturing is possible:

- in widths up to 1600 mm
- in specific cover thicknesses
- in belts with moulded edges
- other construction and other widths: consult us

Remark: Manufacturing minimum for belts: 200 m<sup>2</sup>.

- ★ belt with cut edges
- belt with moulded edges

**SIZE AND WEIGHT CHARACTERISTICS**

DESIGNATION	TRANSOIL JGS 250/2	TRANSOIL G 400/3	TRANSOIL GM 400/3	TRANSOIL JGS 400/3
Cover thickness (mm)	3+1.5	4+2	4+2	4+2
Total thickness (mm)	7.8	8.3	8.3	10.5
Weight (kg/m <sup>2</sup> )	10.3	10.4	10.2	13.8

Values given for information.

**TECHNICAL SPECIFICATIONS** (see page 66)

- Cover grade / resistance of covers to products conveyed
- Pulley diameter
- Tension travel
- Trough transition lengths
- Radius of curvature
- Turnover
- Idler spacing
- Roller skirt clearance
- Splicing



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