

### Summary

Premium Cork Sheet TD1049 is a high quality grade of cork sheeting made with a Nitrile/NBR elastomeric binder. This dense, tough and long lasting cork has excellent resistance to fuels and oils, high tensile strength and can be ideal for a variety of heavy duty sealing applications.

Premium Cork Sheet TD1049 is dielectric and able to be used in transformer sealing. It has good conformability and can withstand temperatures up to 125°C.



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### Applications

- Automotive gaskets
- Marine gaskets
- Heavy duty industrial cork gaskets
- Gaskets for oil filled transformers
- Anti-vibration mats and pads
- Floor lining
- Sealing strips and gasket tapes
- Impact protection mats and pads

### Technical Details

Colour	Brown
Temperature Range	-30°C to 125°C
Stress Range	5.5 to 20 mPa
Compressive Strength	70 mPa
Compressibility @ 2.76 N/mm <sup>2</sup> (ASTM F-36)	20 to 30%
Recovery (ASTM F-36)	80%
Density (ASTM D-297)	950 kg/m <sup>3</sup>
Hardness (ASTM D-2240)	75 Shore A (±5)
Tensile Strength (ASTM D-412 Die C)	3.0 MPa

### Chemical and Environmental Resistance

Suitable for use with air, water, alcohols, fuel and diesel oils, mineral and synthetic lubricating oils, mineral hydraulic fluids, water/glycol, ASTM Oil No. 1, IRM903 Oil, ASTM Fuel A and BS 148 Transformer Oil.

Other Ratings Include: Natural Ester Oil: Compatible SF6 Gas: Acceptable

Suitable For Mineral Oil according to ASTM D3455

Suitable for Silicone Oil according to ASTM D3455 and ASTM D5282

#### Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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**Aging Data**

Volume change in material after immersion in...

	22 Hours	70 Hours	
ASTM Oil No. 1 @ 100°C	--	-10 to +10%	ASTM F-146
IRM 903 Oil @ 100°C	--	-5 to +15%	ASTM F-146
ASTM Fuel A @ 23°C	-2 to +10%	--	ASTM F-146

**Ageing Data in Mineral Oil @ 125°C**

	70 Hours	168 Hours	336 Hours	504 Hours	
Volume Change	+6.1%	+5.9%	+5.7%	--	ASTM F-146
Hardness Change	--	--	--	-2	ASTM D-2240
Flexibility Change	--	--	--	+4	ASTM F-147

**Heat Ageing Data in Air @ 125°C**

	70 Hours	168 Hours	336 Hours	
Hardness Change	+6	+10	+12	ASTM D-2240
Change in Flexibility	+4	+6	+9	ASTM F-147

**Available Sizes, Forms and Styles**

Premium Cork Sheet TD1049 is available in a selection of thicknesses and sheet sizes.

*Available Thicknesses*

- 0.8mm
- 1.5mm
- 3mm
- 4.8mm
- 6.4mm
- 8mm
- 9.5mm

*Standard Sheet Sizes*

All of the above thicknesses are available in each of the following sheet sizes:

- 250mm wide x 310mm long
- 510mm wide x 1270mm long
- 1040mm wide x 1270mm long

*Custom Sizes*

If the size you require for your job isn't listed here please don't hesitate to let us know. Other sizes can be made to order and laminating sheets to achieve different thicknesses is a possibility when it's required.

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