



Sealing Devices

Queensland

MR31 CORK SHEET

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured Characteristics

TECHNICAL DETAILS

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

AGEING 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%	+5.7.1%	--	ASTM F-146
Hardness Change	--	--	--	-2	ASTM D-2240
Flexibility Change	--	--	--	+4	ASTM F-147

HEAT AGEING DATA in Air 120°C

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

APPLICATIONS

- Automotive gaskets
- Marine gaskets
- Industrial cork gaskets
- Pump, valve and pipe gaskets
- Anti-vibration mats and pads
- Floor lining
- Sealing strips and gasket tapes
- Impact protection mats and pads

CHEMICAL AND ENVIRONMENTAL RESISTANCE

Suitable for use with:

- air, water, alcohol, 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

AVAILABLE SIZES

Thickness (mm)	Width (mm)	Length (m)
1.6mm	1000mm	1000mtr
2.4mm	1000mm	1000mtr
3.2mm	1000mm	1000mtr