



Gasket Materials



HC-95 Cork

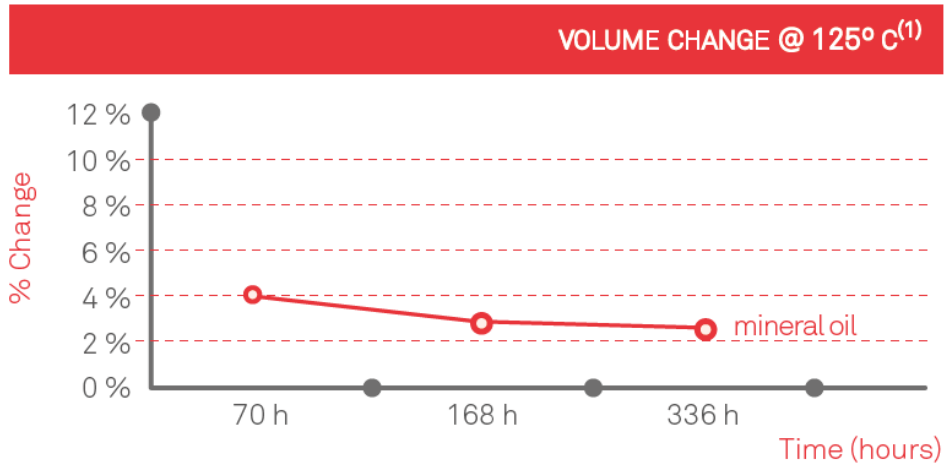
HC-95 is a specially formulated grade of cork sheet with a high nitrile rubber content. Black in colour, this specialised cork sealing sheet is designed for use in transformer where a material capable of performance in high temperatures and/or with high sealing pressures.

Properties

Binder	Nitrile Rubber (NBR)
Colour	Black
Cork Granule Size	0.5mm – 1mm
Stress Range	3.0 to 20 MPa
Compressive Strength	> 70 MPa
Density (ASTM D297)	1.1 g/cm ³
Hardness (ASTM D2240)	70 Shore A
Elongation (ASTM D412, Die C)	100%
Volume Resistivity P (Ω.CM) (ASTM D257, 23°C, 50%R/H, 500Vdc)	2.1 X 10 ¹⁰
Initial Adhesion on Rigid PVC*	5-10 Seconds
Final Strength After	24 Hours

Fluid Compatibility.

Mineral Oil	Recommended
Natural Ester Oil	Recommended
Silicone Oil	Recommended
SF6 Gas	Suitable



(1) ASTM F146

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Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.

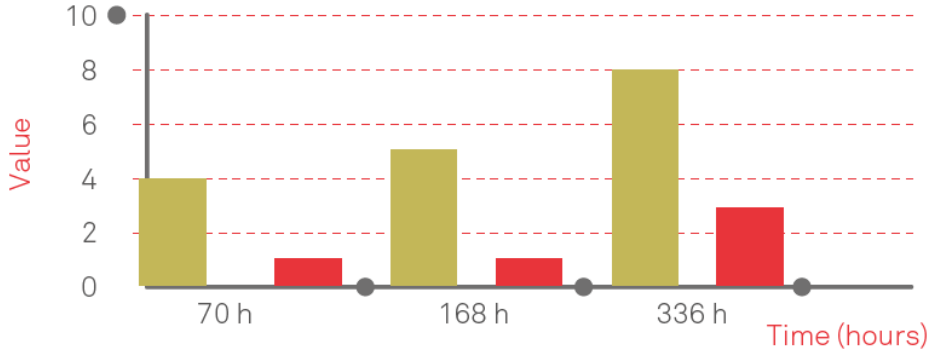


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HEAT AGING DATA, AIR @ 125° C^(2&3)

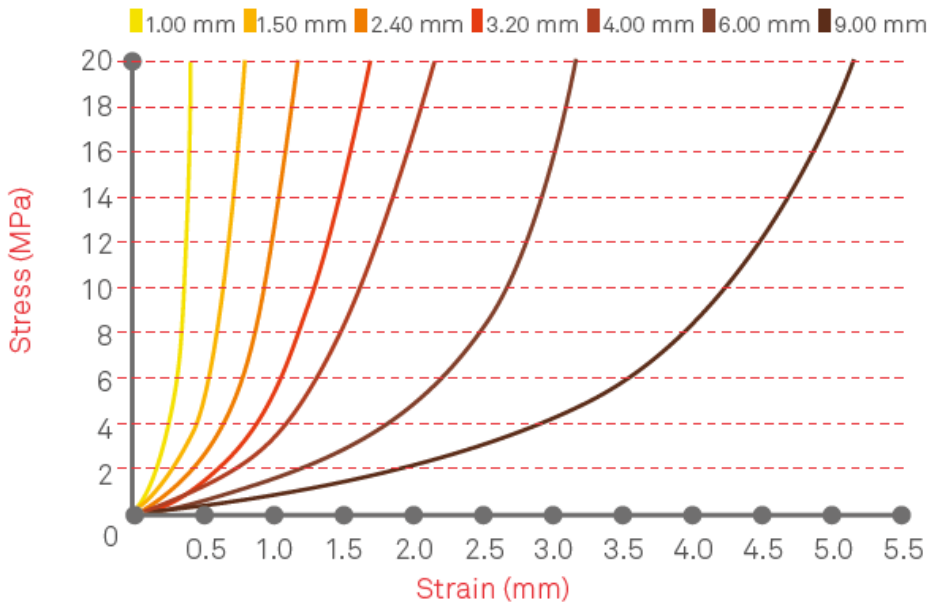


(²) ASTM D2240

Hardness Change (Shore A)

(³) ASTM F147

Flexibility



Sealing Stress

A Load Deflection (LD) curve is a Stress (MPa) vs. Strain (mm) curve. It is the load required to compress a material at a defined thickness for a determined deflection.

It is very useful when making material selections to meet engineering requirements such as flange load or controlled compression applications.

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