



Divine Cork (India) Pvt. Limited

An ISO 9001:2015 Company

**TECHNICAL
DATA SHEET**

Dolphin Brand

RUBBERIZED CORK SHEET

Description :

Rubberized Cork is produced from high-grade cork granules such as neoprene, nitrile, SBR, natural cork, etc. This combines the resilience of rubber with the natural compressibility of cork. Rubber cork is available in various grades for many applications, including automotive, electrical transformers, control gear, switch gear, etc. Every gasket application requires material that is best suited to that particular pressure, temperature, medium, or environmental factor.

Rubberized Cork Sheet combines the compressibility of cork with the resilience and mechanical resistance properties of rubber. Rubberized cork is available in a wide range of grades.

Product Data Sheet – Dolphin Brand

Grade	General Purpose			Medium Oil Resistance			Good Oil Resistance			Very Good Oil Resistance			Excellent Good Oil and Heat Resistance
	RC 50A	RC 70A	RC 80A	RC 50	RC 70	RC 80	RC 50B	RC 70B	RC 80B	RC 50C	RC 70C	RC 80C	
Grades and Properties	RC 50A	RC 70A	RC 80A	RC 50	RC 70	RC 80	RC 50B	RC 70B	RC 80B	RC 50C	RC 70C	RC 80C	Excellent RC 70C
Hardness IRDH	50±10	70±5	80±5	50±5	70±5	80±5	50±5	70±5	80±5	50±5	70±5	80±5	70±5
Dimension Changes in % Max.	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Tensile Strength* KPa Min.	650	900	1250	650	900	1250	700	1250	1550	1250	1550	1900	1960
Compressibility % (At 2800 KPa)	45-60	30-45	15-30	45-60	30-45	25-40	45-60	35-50	25-35	35-45	25-35	15-25	25-35
Recovery % Min.	80	80	80	80	80	75	80	80	80	80	80	80	80
Compression Set % Max	90	90	90	85	85	90	80	80	80	80	80	80	80



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Chemical Test on Water Extracts

Grade	General Purpose	Medium Oil Resistance	Good Oil Resistance	Very Good Oil Resistance	Excellent Good Oil and Heat Resistance
(a). pH Where applicable	5.0 to 8.50	5.0 to 8.5	5.0 to 8.5	5.0 to 8.5	5.0 to 8.5
(b). Chloride Content (As chloride ion)	0.2 % max	0.2 % max	0.2 % max	0.2 % max	0.2 % max
(c). Sulphate Content (As sulphate ion)	0.2 % max	0.2 % max	0.2 % max	0.2 % max	0.2 % max
Oil Immersion Test Volume Change after immersion in AsT oil No.3 for 70 hours at 100* Temp	> 60%	40%-60%	25% Max.	15% Max	10% Max
Volume Change in I.S.335 Oil	-	-	-	8%Max	6%Max
Gasket Application Area	General Purpose	General Purpose Light Electric and General Automotive Industry	Automotive Industry and Light Electric and General Industry	Automotive Industry and Aircraft Industry	Heavy Electrical Industry; Ship Building

*98.0665 KPa = 1KG/cm² Grades Indicated are as per IS4253 PART II 2008.

- All materials are available in sheets measuring 610mm x 900mm, 910mm x 910mm, 1000mm x 1000mm, and 900mm x 1200mm. Rubber cork strips are available from 35 mm to 15 mm. Sheets are available in standard natural cork and black colors. Other sizes are available on request.
- Thickness: Available from 1.0 mm to 25 mm The thickness variation on sheets at any point is ±10% for thicknesses up to 6.0 mm and ±0.25 mm for thicknesses greater than 25 mm.
- Grades 70C and 80C are most preferred for the transformer and railway industries.

We also specialize in the manufacture of Rubberized Cork Sheets in individual sizes. Though our production covers a wide range for different applications, **we can also produce materials to meet your special requirements and specifications**, such as granule size, tensile strength, compressibility, and oil swell.





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**TECHNICAL
DATA SHEET**

Features:

- Flexible
- High tensile strength
- High durability

Applications:

- Transformer Industries
- Automotive and automobile Industries
- Railway Industries
- Defense Industries
- Construction Industries
- Marine Industries



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