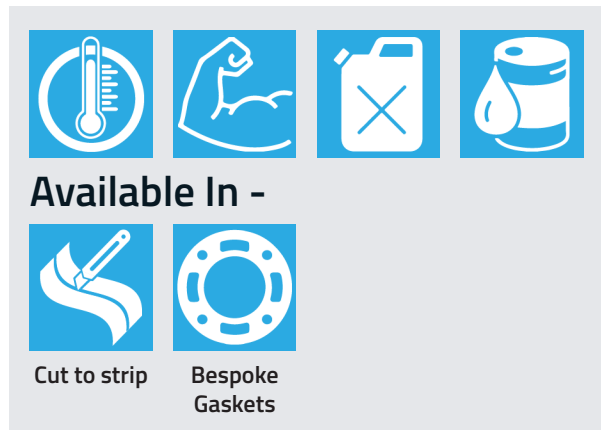


# Novus Non Asbestos Gaskets Material Datasheet

Product Code: RC1103

## Product Description

Our diverse range of novus non asbestos gaskets provide exceptional sealing qualities in both high temperature and high-pressure applications. This product is available in selection of different material specifications to suit your exact requirements. We can also work with you to produce gaskets to your exact requirements.



## Technical Specification

| Properties       | Test Method        | Values    |           |           |           |           |           |
|------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Grade            | -                  | Novus 10  | Novus 20  | Novus 30  | Novus 34  | Novus 45  | Novus 49  |
| Density          | -                  | 1.57 g/cc | 1.90 g/cc | 2.00 g/cc | 1.75 g/cc | 1.90 g/cc | 1.65 g/cc |
| Thickness Range  | -                  | 0.4-6mm   | 0.25-6mm  | 0.4-6mm   | 0.25-6mm  | 0.4-6mm   | 0.4-6mm   |
| Tensile Strength | ASTM F152          | 13 MPa    | 14 MPa    | 12 MPa    | 9-11 MPa  | 12 MPa    | 13 MPa    |
| Compression      | ASTM F36           | 11%       | 8%        | 9%        | 9%        | 10%       | 11%       |
| Recovery         | ASTM F36           | 62 %/min  | 55 %/min  | 50 %/min  | 55 %/min  | 50 %/min  | 55 %/min  |
| Residual Stress  | BS 7531 (300°C)    | 25 MPa    | 23 MPa    | 23 MPa    | 26 MPa    | 18 MPa    | 26 MPa    |
| Gas Leakage      | BS 7531            | <1 cc/min | <1 cc/min | <1 cc/min | <1 cc/min | <1 cc/min | <1 cc/min |
| ASTM Oil 1       | Thickness increase | 1.0%      | 2.0%      | 2.0%      | 1.0%      | 2.0%      | 1.0%      |
| IRM 903 Oil      | Thickness increase | 2.5%      | 5.0%      | 5.0%      | 2.5%      | 5.0%      | 2.5%      |
| ASTM fuel B      | Thickness increase | 2.5%      | 2.5%      | 4.0%      | 3.0%      | 6.0%      | 2.5%      |
| Max Temperature  | -                  | 425°C     | 400°C     | 400°C     | 450°C     | 300°C     | 420°C     |
| Max Pressure     | -                  | 100 Bar   | 80 Bar    | 80 Bar    | 100 Bar   | 60 Bar    | 100 Bar-  |



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