



# Derby Gaskets Ltd

SPECIALISTS IN SEALING TECHNOLOGY

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GB 19386

## MATERIAL SPECIFICATION

### Data / Specification Sheet • Novus 30

**Novus 30** is a good quality compressed sheet material based on a blend of aramid and inorganic fibres with a nitrile rubber binder system.



#### Service

Novus 30 is a general purpose material suitable for use in a wide range of applications, including hot and cold water, steam, oils, fuels, gases and a wide range of general chemicals.

#### Approvals / Compliance

WRAS Potable Water:  
Registration No. 0008505  
Complies with BS Specification 7531 Grade Y

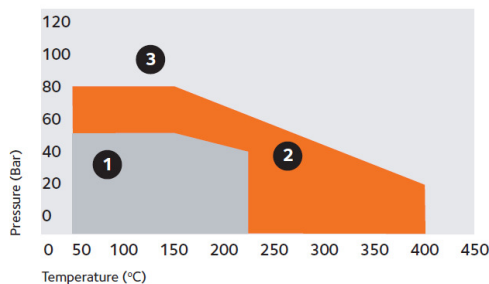
#### Availability

Thickness range:  
0.4mm to 6.0mm  
Standard sheet sizes:  
2.0m x 2.0m  
2.0m x 1.5m  
2.0m x 1.0m  
1.5m x 1.5m  
1.5m x 1.0m  
Standard roll sizes:  
Up to a maximum size of 6.0m x 2.0m  
Available with fine mesh mild steel reinforcement: Novus 30 Metallic or gauze mild steel wire reinforcement: Novus 30 GWI.  
It can also be supplied with anti-stick coating and graphite coating.

#### Physical properties

Thickness		1.5mm
Density		2.0g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C)	23MPa
	DIN 52913	29MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	2.0%
IRM 903 Oil	Thickness increase	5.0%
ASTM Fuel B	Thickness increase	4.0%

#### Novus 30 Pressure/Temperature Limits



As the company's products are used for a multiplicity of purposes and as the company has no control over the method of their applications or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and/or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for customers assistance only, and without liability on the part of the company.

- 1 Suitable subject to chemical compatibility.
- 2 Suitable in some cases but check your application requirements with Flexitallic.
- 3 Contact the Technical Team for applications with higher temperatures and pressures. Applicable to 1.5mm and below.

The operating temperature of non-asbestos sheet material is related to the thickness of materials selected. Thinner materials give better temperature and pressure properties.

We reserve the right to alter the specification without notice. Values given may vary according to manufacturing tolerances. It is the responsibility of the purchaser to ensure material is suitable for purpose and we will provide samples for test if required.

DGL-MSS43 Iss 2

Registered Office: Derby Gaskets Ltd; Units 2, 3 & 4 Racecourse Industrial Park, Mansfield Road, Derby, DE21 4SX  
Chairman: C. Prince, Directors: S. Prince (Managing), Y. Kennedy (Company Secretary).  
VAT 295 2969 03. Co. Reg. 1914526