

# Flexitallic®

**novus™**  
a Flexitallic brand

## Data / Specification Sheet • Novus 35

**Novus 35** is a superior performance aramid/mineral fibre sheet sealing material bound with a high quality nitrile rubber.



### Service

Specifically designed for sealing split-case pumps handling high pressure water, Novus 35 is also suitable for general industrial applications where an asbestos-free sheet is desirable. Do NOT use gasket pastes

### Availability

For its intended service use Novus 35 is produced 0.4 mm thick. Higher thicknesses may be available on request.

### Typical Physical Properties

<b>Thickness</b>	ASTM F104	0.40mm
<b>Density</b>	ASTM F104	1.77g/cm <sup>3</sup>
<b>Compression</b>	ASTM F36	9%
<b>Recovery</b>	ASTM F36	58%
<b>Tensile</b>	ASTM F152	16MPa
<b>Sealability</b>	ASTM F37 A CP-65	0.8ml/hr
<b>Flexibility (12 x mandrel)</b>	ASTM F147	No cracks
<b>OIL RESISTANCE</b>		
<b>Tensile Loss</b>	ASTM F146	26%
<b>Thickness Increase</b>	ASTM F146	4%
<b>Flexibility (12 x mandrel)</b>	ASTM F146	No cracks
<b>Decomposition</b>	ASTM F146	No disintegration

### Health and Safety

Because of the binding processes which take place during manufacture, the product is believed to present no health and safety hazard and, under normal handling and use it is unlikely that the product will give rise to significant levels of exposure to constituent materials.

Novus 35 is reinforced with glass and aramid fibres. Small amounts of crystalline silica may also be present in the filler material.

Under harsh mechanical treatment (e.g. high speed stamping operations or abrasion) or if the product has become embrittled by high temperature applications, the constituents may give rise to irritant dust which, in extreme cases of exposure, could lead to more serious respiratory problems. Occupational exposure to such dusts should therefore be minimised and kept below relevant national exposure limits. Flexitallic has adopted an in-house fibre Control Limit of 0.5 fibre per millilitre of air (8 hour TWA) for asbestos-free fibres which may be respirable. Good standards of hygiene should be applied during gasket cutting operations and off-cuts should be disposed of by transfer to a site appropriately licensed to accept industrial materials of this nature.

Although the reinforcing fibres and fillers are inherently flame resistant, at elevated temperatures or in a sustained fire, decomposition will occur and give rise to irritant and in some instances harmful or toxic fumes.

For more detailed information, reference must be made to our Health and Safety Bulletin, Sections 1, 2, 2.2, 2.3, 2.9 (barium sulphate, clay, amorphous silica), 2.12, 3, and 3.1. This will enable you to carry out any necessary assessment of risk which may be required under national or local legislation.

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.