

Novus™ 10 Technical Datasheet

Product Code: RC1103-10

Product Description

Novus™ 10 is a compressed premium grade sheet, manufactured from a carbon fibre reinforced material. The Novus™ 10 has a high quality nitrile rubber binder system.

Standards

- BS7531 Grade X.
- API 607 Fire Safe.
- TA - LUFT (in accordance with VDI Guideline 2440).
- GL Approval 37702 - 12HH.

Technical Specification

Property	Test Method	Value
Thickness	-	1.5mm
Density	-	1.57 g/cc
Tensile Strength	ASTM F152	13 MPa
Compression	ASTM F36	11%
Recovery	ASTM F36	62% min
Residual Stress	BS 7531 (300°C)	25 MPa
Gas Leakage	BS 7531	<1 cc/min
ASTM Oil 1	Thickness Increase	1.0%
IRM 903 Oil	Thickness Increase	2.5%
ASTM Fuel B	Thickness Increase	2.5%
Temperature	-	+425°C maximum
Max Pressure	-	100 bar



ISO
9001 : 2015
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Novus™ 30 Technical Datasheet

Product Code: RC1103-30

Product Description

Novus™ 30 is a compressed fibre sheet material, manufactured based on a blend of aramid and inorganic fibres with a nitrile rubber binder system.

Standards

- BS7531 Grade Y.
- TA Luft (in accordance with VDI Guideline 2440).
- GL Approval 37702 - 12HH.
- WRc / WRAS approved for use with potable water.

Technical Specification

Property	Test Method	Value
Thickness	-	1.5 mm
Density	-	2.0 g/cc
Tensile Strength	ASTM F152	12 MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C) DIN 52913	23 MPa 29 MPa
Gas Leakage	BS 7531	<1 cc/min
ASTM Oil 1	Thickness Increase	2.0%
IRM 903 Oil	Thickness Increase	5.0%
ASTM Fuel B	Thickness Increase	4.0%
Temperature	-	+400°C maximum
Max Pressure	-	80 bar



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Novus™ 34 Technical Datasheet

Product Code: RC1103-34

Product Description

Novus™ 34 is a superior performance universal material based on a blend of aramid/inorganic fibres and special additives. Novus™ 34 has a high quality nitrile rubber binder.

Standards

- BS7531 Grade X.
- BAM (Oxygen service) up to 90°C / and 160 bar.
- TA-LUFT (in accordance with VDI Guideline 2440).
- GL Approval cert 37702 – 12HH.
- API 6FB Fire-safe.
- WRAS approved for use with potable water.

Technical Specification

Property	Test Method	Value
Thickness	-	1.5mm
Density	-	1.75 g/cc
Tensile Strength	ASTM F152	9-11 MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	55% min
Residual Stress	BS 7531 (300°C) DIN 52913	26 MPa 32 MPa
Gas Leakage	BS 7531	<1.0 cc/min
ASTM Oil 1	Thickness Increase	1.0%
IRM 903 Oil	Thickness Increase	2.5%
ASTM Fuel B	Thickness Increase	3.0%
Temperature	-	+450°C maximum
Max Pressure	-	100 bar



ISO
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Novus™ 45 Technical Datasheet

Product Code: RC1103-45

Product Description

Novus™ 45 is a medium quality compressed sheet, containing recycled material and virgin fibres. The Novus™ 45 has a high quality nitrile rubber binder.

Standards

- TA-LUFT (VDI guideline 2440).
- GL Approval 37702 - 12HH.

Technical Specification

Property	Test Method	Value
Thickness	-	1.5mm
Density	-	1.9 g/cc
Tensile Strength	ASTM F152	12 MPa
Compression	ASTM F36	10%
Recovery	ASTM F36	50% min
Residual Stress	BS 7531 (300°C) DIN 52913	18 MPa 23 MPa
Gas Leakage	BS 7531	<1.0 cc/min
ASTM Oil 1	Thickness Increase	2.0%
IRM 903 Oil	Thickness Increase	5.0%
ASTM Fuel B	Thickness Increase	6.0%
Temperature	-	+300°C maximum
Max Pressure	-	60 bar



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Novus™ 49 Technical Datasheet

Product Code: RC1103-49

Product Description

Novus™ 49 is a high performance, compressed non-asbestos sheet material. It is manufactured combining a high percentage of graphite, reinforced with aramid fibres and a nitrile binder.

Standards

- BS7531 Grade X.
- BAM (Oxygen service) up to 90oC and 160 bar.
- TA-LUFT (in accordance with VDI guideline 2440).
- WRAS approved for use with potable water.

Technical Specification

Property	Test Method	Value
Thickness	-	1.5mm
Density	-	1.65 g/cc
Tensile Strength	ASTM F152	13 MPa
Compression	ASTM F36	11%
Recovery	ASTM F36	55% min
Residual Stress	BS 7531 (300°C) DIN 52913	26 MPa 31 MPa
Gas Leakage	BS 7531	<1.0 cc/min
ASTM Oil 1	Thickness Increase	1.0%
IRM 903 Oil	Thickness Increase	2.5%
ASTM Fuel B	Thickness Increase	2.5%
Temperature	-	+420°C maximum
Max Pressure	-	100 bar



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