Thomson
THERMAPAC® 9950

Inorganic Fiber / Nitrile Binder / Graphite

FEATURES / BENEFITS

- Exceptional sheet material with unsurpassed temperature and pressure capability.
- Good chemical compatibility.
- Superior load retention in thermal cycling conditions.
- Passes API 607 Fire Safe Gasket Test.

TYPICAL APPLICATIONS

- Steam and superheated steam applications to 825°F continuous.
- Moderate chemical service including ethanol, liquid petroleum and petroleum derivatives.

"M & Y" FACTORS

Thickness		"m"	"y"
in	mm	(no units)	psi
1/16	1.6	2.6	4500
1/8	3.2	6.1	4500

SPECIFICATIONS

Construction:
Inorganic Fiber / Nitrile Binder / Graphite

Temperatures:
Minimum: -40°F (-40°C)
Intermittent: +1020°F (+549°C)
Continuous: +825°F (+440°C)

Pressures:
Maximum: 2150 psi
Continuous: 1480 psi

Color: Black with Orange branding.

See reverse for technical data.

TECHNICAL DATA - THERMAPAC® 9950

Physical Properties

TEST METHOD	TYPICAL PHYSICAL PROPERTIES		
ASTM F36	**Compressibility:** range, %	12–22	
DIN 52913	**Recovery:** minimum, %	40	
ASTM F38	**Torque retention:** MPa	43	
ASTM F152	**Tensile across grain:** psi	1305	
ASTM F1315	**Density:** lbs/ft^3 (grams/cm^3)	91 (1.46)	
ASTM F586	**Design Factors:**	**1/16"**	**1/8"**
	"m" factor	2.6	6.1
	"y" factor, psi	4500	4500

Immersion Properties* - ASTM F146 Fluid Resistance After Five Hours

	ASTM IRM #903 300°F (150°C)	ASTM FUEL B 70–85°F (20–30°C)
Thickness increase: %	15	15
Weight increase: %	30	20

Sealing Characteristics

	DIN 3535 NITROGEN
Leakage: ml/hr	1.8

NOTES

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties
based on 1/16" (1.5 mm) sheet thickness unless otherwise mentioned. When approaching maximum operating temperature or pressure limits, consult A.R. Thomson Group.

*Values do not constitute specification Limits.

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