

Nebar[®]

Brown

General purpose cork/nitrile jointing

General purpose, high quality cork-elastomer jointing. Below 3 mm thickness it comprises a predominately nitrile bonded cork; 3 mm and above the cork is bonded with a polychloroprene/ nitrile blend.

Recommended maximum system pressure is 0.5 MPa/5 bar but may be used for higher pressures in consultation with our Technical Support Team.

Specification

ASEA 1169 5012E - 204

Compliance

ASTM F104 Line call out - below 3mm F224000M2, 3mm and above F225000M2

How supplied

- Precision cut gaskets to any shape, size and quantity.
- In sheets 1.2 m x 1.0 m for 2.5 mm thickness; 1.2 m x 1.2 m for 3 mm thickness.

Typical Properties

Material tested to procedures as documented in ASTM F104

Typical material properties	<3mm thick	≥ 3mm thick	Test Procedure
Base elastomer	Nitrile/SBR	CR/Nitrile	
Thickness	0.8 to 2.5	3 to 13	
Hardness	65 to 85	65 to 80	ASTM D1415
Minimum tensile strength (MPa)	1.75	1.75	ASTM F152
Fluid resistance volume swells			
ASTM 1 72 hours at 100°C	-3 to +10%	0 to +10%	ASTM F146
IRM903 72 hours at 100°C	0 to +25%	+10 to +30%	ASTM F146
Fuel A 22 hours ambient temperatures	-5 to +10%	0 to +15%	ASTM F146
BS148 Transformer Oil 14 days at 90°C	+23.1%	+10%	ASTM F146
Low temperature flexibility	-20°C	-30°C	
Maximum operating temperature in fluids	110°C	110°C	
Compressibility at 2.8 N/mm ²	15 to 25%	20 to 30%	ASTM F36
Recovery minimum	75%	75%	ASTM F36
Normal sheet size	1.2 x 1.0, 1.2 x 1.2	1.2 x 1.2	
Flexibility as supplied	3d	3d	ASTM F147



TEMPERATURE

Maximum Temperature in fluids:

+110°C (+230°F)

Minimum Temperature:

< 3mm -20°C (-4°F)

≥ 3mm -30°C (-22°F)



PRESSURE

Maximum Pressure:

0.5 MPa/5 bar (73 psi)

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To ensure you are working with the very latest product specifications, please consult the relevant section of the James Walker website: www.jameswalker.biz.

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