

Burasil® Basic 9544/B

Features

Burasil Basic 9544/B is a soft gasket made from high-quality aramid fibers, fillers and NBR rubber (nitrile butadiene rubber), with anti-stick coating on one side. Burasil Basic 9544/B is a standard gasket with a balanced mixture of raw materials for flange and flange-like connections in the medium pressure and temperature range.

Key physical characteristics (2.0 mm thick)

ID number	DIN 28 091-2	FA-A1-0
Density [g/cm ³]	DIN 28 090-2	1.80
Tensile strength, lengthwise [MPa]	DIN 52 910	14,00
Tensile strength, crosswise [MPa]	DIN 52 910	6,00
Compressive strength $\sigma_{dE/16}$ 175 °C [MPa]	DIN 52 913	25,00
Compressive strength $\sigma_{dE/16}$ 300 °C [MPa]	DIN 52 913	-
Compressibility [%]	ASTM F 36 J	9,00
Resiliency [%]	ASTM F 36 J	55,00
Cold compressibility ϵ_{KSW} [%]	DIN 28090-2	8.5
Cold recovery ϵ_{KRW} [%]	DIN 28090-2	5.1
Hot creep ϵ_{WSW} [%]	DIN 28090-2	25
Hot recovery ϵ_{WRW} [%]	DIN 28090-2	1.2
Recovery R [mm]	DIN 28090-2	0.04
Specific leakage rate [mg/(m·s)]	DIN 3535-6	≤0.1
Specific leakage rate $\lambda_{2.0}$ [mg/(m·s)]	DIN 28090-2	0.1
Chemical resistance ASTM IRM 903 – Change in weight 5 h/150 °C	ASTM F 146	7%
Chemical resistance ASTM IRM 903 – Change in thickness 5 h/150 °C	ASTM F 146	8%
Chemical resistance ASTM Fuel B – Change in weight 5 h/23 °C	ASTM F 146	9%
Chemical resistance ASTM Fuel B – Change in thickness 5 h/23 °C	ASTM F 146	10%
Chloride content (water soluble)	Siemens AV-9-014	≤150 ppm

m- und y-Factors

Thickness	m	y (Mpa)
0,5	2	27
1,0	2	15
1,5	2	18
2,0	2	20
3,0	2,5	25,0

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.

We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.