

Burachem Brown 9655/R

Features

Burachem Brown 9655/R is a PTFE-based gasket sheet filled with silicate. Burachem Brown 9655/R can be used in considerably higher pressure/temperature ranges compared to conventional PTFE. It is the ideal gasket for standardization as Burachem Brown 9655/R offers a wide range of chemical and mechanical properties.

Key physical characteristics (2.0 mm thick)

Color		Brown
Filler		Silicate
Tolerances - Thickness		DIN 28091-1
ID number		TF - M - 0
Density [g/cm ³]	DIN 28 090-2	2,1
Tensile Strength [MPa]	DIN 52 910	17
Compressive strength $\sigma_{dE/16}$ [MPa] (150 °C, 30 MPa, 16 h)	DIN 52 913	16
Compressibility [%]	ASTM F 36 M	5
Resiliency [%]	ASTM F 36 J	45
Cold compressibility t_{EKSW} [%]	DIN 28 090-2	3
Cold recovery ϵ_{KRW} [%]	DIN 28 090-2	1
Hot creep ϵ_{WSW} [%]	DIN 28 090-2	20
Hot recovery ϵ_{WRW} [%]	DIN 28 090-2	3
Specific leakage rate [mg/(s·m)]	DIN 3535-6	<0.015

m- und y-Factors

Thickness	m	y (PSI), y (Mpa)
1,00	2,8	2.175, 15
2,00	2,8	2.175, 15
3,00	2,8	2.175, 15

Gasket Constants acc. DIN 28090-1, AD-Merkblatt B7, DIN V 2505											
DIN 28090 Part 1 (9/95) (DIN E 2505 Part 2)										AD-Merkblatt B7 DIN V 2505	
P _i [bar]	Dicke H _D [mm]	σ_{VU} [N/mm ²]	σ_{VO} [N/mm ²]	m	σ_{bo} [N/mm ²]				b ₀ : h ₀	k ₀ x K _D [N/mm ²]	k ₁ [mm]
					20°C	100°C	200°C	300°C			
10	<= 1,0	13	180	1,3	180	90	70	-	10 : 1	15 x b _D	1,3 x b _D
	1,5 - 3,0	14	180	1,3	180	80	60	-	3,3 : 1	16 x b _D	1,3 x b _D
16	<= 1,0	15	180	1,3	180	90	70	-	10 : 1	16 x b _D	1,3 x b _D
	1,5 - 3,0	16	180	1,3	180	80	60	-	3,3 : 1	17 x b _D	1,3 x b _D
25	<= 1,0	17	180	1,3	180	90	70	-	10 : 1	17 x b _D	1,3 x b _D
	1,5 - 3,0	18	180	1,3	180	80	60	-	3,3 : 1	18 x b _D	1,3 x b _D
40	<= 1,0	18	180	1,3	180	90	70	-	10 : 1	19 x b _D	1,3 x b _D
	1,5 - 3,0	19	180	1,3	180	80	60	-	3,3 : 1	19 x b _D	1,3 x b _D

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.