

## Burachem Blue 9655/B

### Features

Burachem Blue 9655/B is a PTFE-based gasket sheet filled with hollow glass microbeads. Burachem B impresses with its high chemical resistance and offers outstanding adaptability compared to similar PTFE-based sheets. Burachem Blue 9655/B seals with relatively low surface pressure, making it especially suitable for applications that offer only low bolt forces.

### Key physical characteristics (2.0 mm thick)

Color		blue
Filler		Hollow glass microbeads
Tolerances - Thickness		DIN 28091-1
ID number		TF - G - 0
Density [g/cm <sup>3</sup> ]	DIN 28 090-2	1,50
Tensile strength [MPa]	DIN 52 910	15,00
Compressive strength $\sigma_{dE/16}$ [MPa]	DIN 52 913	14,00
(150 °C, 30 MPa, 16 h)		
Compressibility [%]	ASTM F 36 M	35,00
Resiliency [%]	ASTM F 36 J	30,00
Cold compressibility $\epsilon_{KSW}$ [%]	DIN 28 090-2	24
Cold recovery $\epsilon_{KRW}$ [%]	DIN 28 090-2	6,00
Hot creep $\epsilon_{WSW}$ [%]	DIN 28 090-2	35,00
Hot recovery $\epsilon_{WRW}$ [%]	DIN 28 090-2	6,00
Specific leakage rate [mg/(s·m)]	DIN 3535-6	<0,015

### m- und y-Factors

Thickness	m	y (PS), y (Mpa)
1,0	2,3	1160, 8
2,0	2,3	1160, 9
3,0	2,3	1160, 10

### 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 <sub>i</sub>	Dicke H <sub>D</sub>	$\sigma_{vu}$	$\sigma_{vD}$	m	$\sigma_{bD}$				b <sub>D</sub> : h <sub>D</sub>	k <sub>D</sub> x K <sub>D</sub>	k <sub>1</sub>
					[N/mm <sup>2</sup> ]						
[bar]	[mm]	[N/mm <sup>2</sup> ]	[N/mm <sup>2</sup> ]		20°C	100°C	200°C	300°C			
10	<= 1,0	8	160	1,3	160	80	50	-	10 : 1	8 x b <sub>D</sub>	1,3 x b <sub>D</sub>
	1,5 - 3,0	8	160	1,3	160	70	45	-	3,3 : 1	8 x b <sub>D</sub>	1,3 x b <sub>D</sub>
16	<= 1,0	9	160	1,3	160	80	50	-	10 : 1	9 x b <sub>D</sub>	1,3 x b <sub>D</sub>
	1,5 - 3,0	9	160	1,3	160	70	45	-	3,3 : 1	9 x b <sub>D</sub>	1,3 x b <sub>D</sub>
25	<= 1,0	9	160	1,3	160	80	50	-	10 : 1	9 x b <sub>D</sub>	1,3 x b <sub>D</sub>
	1,5 - 3,0	9	160	1,3	160	70	45	-	3,3 : 1	9 x b <sub>D</sub>	1,3 x b <sub>D</sub>
40	<= 1,0	10	160	1,3	160	80	50	-	10 : 1	10 x b <sub>D</sub>	1,3 x b <sub>D</sub>
	1,5 - 3,0	10	160	1,3	160	70	45	-	3,3 : 1	10 x b <sub>D</sub>	1,3 x b <sub>D</sub>

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.