novapress® MULTI II EG

Gasket Characteristics acc. DIN 28090-1, AD-Merkblatt B7, DIN V 2505, ASME-Code

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DIN 28090 Part 1 (9/95) (DIN E 2505 Part 2)											AD-Merkblatt B7 DIN V 2505		ASME-Code		
P_I	Dicke h_D	σ_{VU}	σ_{VO}	m	σ_{BO}					$b_D : h_D$	$k_0 \times K_D$	k_1	m	y	y
[bar]	[mm]	[N/mm²]	[N/mm²]		[N/mm²]						[N/mm]	[mm]		[psi]	[N/mm²]
					20 °C	100 °C	200 °C	300 °C	400 °C						
10	1.0	23	425	1.3	425	130	65	25	20	10 : 1	23 x b_D	1.3 x b_D	2.5	3335	23
	1.5	25	310	1.3	310	90	50	25	15	6.7 : 1	25 x b_D	1.3 x b_D	2.5	3625	25
	2.0	25	250	1.3	250	65	35	25	10	5 : 1	25 x b_D	1.3 x b_D	2.5	3625	25
	3.0	32	160	1.3	160	50	25	20	5	3.3 : 1	32 x b_D	1.3 x b_D	2.5	4640	32
16	1.0	28	425	1.3	425	130	65	25	20	10 : 1	28 x b_D	1.3 x b_D	2.5	4060	28
	1.5	30	310	1.3	310	90	50	25	15	6.7 : 1	30 x b_D	1.3 x b_D	2.5	4350	30
	2.0	30	250	1.3	250	65	35	25	10	5 : 1	30 x b_D	1.3 x b_D	2.5	4350	30
	3.0	38	160	1.3	160	50	25	20	5	3.3 : 1	38 x b_D	1.3 x b_D	2.5	5510	38
25	1.0	35	425	1.3	425	130	65	25	20	10 : 1	35 x b_D	1.3 x b_D	2.5	5075	35
	1.5	37	310	1.3	310	90	50	25	15	6.7 : 1	37 x b_D	1.3 x b_D	2.5	5365	37
	2.0	38	250	1.3	250	65	35	25	10	5 : 1	38 x b_D	1.3 x b_D	2.5	5510	38
	3.0	46	160	1.3	160	50	25	20	5	3.3 : 1	46 x b_D	1.3 x b_D	2.5	6670	46
40	1.0	44	425	1.3	425	130	65	25	20	10 : 1	44 x b_D	1.3 x b_D	2.5	6380	44
	1.5	48	310	1.3	310	90	50	25	15	6.7 : 1	48 x b_D	1.3 x b_D	2.5	6960	48
	2.0	50	250	1.3	250	65	35	25	10	5 : 1	50 x b_D	1.3 x b_D	2.5	7250	50
	3.0	59	160	1.3	160	50	25	20	5	3.3 : 1	59 x b_D	1.3 x b_D	2.5	8555	59

m The m-factor is a value to describe the minimum surface pressure under operating conditions. Up to now there does not exist a definite test specification. The m-factor can be looked at in different ways and depends on the tightness class, the temperature and the surface pressure in the installed state. Within the Brite EuRam research project m-factors between 1.3 and 3.8 were found as average values for graphite gaskets. The user may judge to calculate with different factors (e.g. m = 2).

m The m-factors according to DIN 28090 and ASME-code are defined variably - from this reason the values differ

Please note: All previous data cease to apply. You may take all current versions from the website www.frenzelit.com or ask at Frenzelit directly. The values have been determined with standard laboratory equipment. In view of the variety of different installation and operation conditions and process engineering options, there is no basis for warranty claims referring to the behaviour of the sealing joint. Subject to technical changes and printing errors.

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