novapress® UNIVERSAL thickness: 1.0 mm

Gasket characteristics acc. DIN EN 13555 (02/2005)

creating hightech solutions

T [°C]	Tightness-class L	$Q_{min(L)}$ [N/mm²]				$Q_{Smin(L)}$ [N/mm²]														
						Q_A [N/mm²]				Q_A [N/mm²]				Q_A [N/mm²]				Q_A [N/mm²]		
						20	40	60	80	20	40	60	80	20	40	60	80	40	60	80
		P_i [bar]				P_i [bar]				P_i [bar]				P_i [bar]				P_i [bar]		
		10	20	**40**	80	10				20				**40**				80		
RT	$L_{1.0}$	< 5	< 10	< 10	< 20	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	$L_{0.1}$	**< 5**	**< 10**	**< 10**	**24**	**< 5**	**< 5**	**< 5**	**< 5**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**
	$L_{0.01}$	10	15	20	43	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	< 10	< 10
	$L_{0.001}$	24	31	35	62	---	6	< 5	< 5	---	13	< 10	< 10	---	18	< 10	< 10	---	---	13

	Q_{Smax} [N/mm²]	P_{QR} Stiffness 500 kN/mm			E_G [N/mm²]															
		Q_A [N/mm²]			Q_A [N/mm²]															
		30	50	Q_{Smax}	10	20	30	40	50	60	70	80	100	120	140	160	180	200	220
RT	> 220	0.98	0.98	0.99	1081	1255	1428	1602	1776	1950	2124	2297	2645	2993	3340	3688	4035	4383	4731
100	180	0.92	0.91	0.90	1328	1432	1536	1640	1744	1848	1952	2056	2264	2472	2680	2888	3096	---	---
200	120	0.90	0.88	0.85	1404	1482	1559	1636	1714	1791	1868	1945	2100	2255	---	---	---	---	---

Test sample: DN40/PN40 acc. EN 1514-1: 49 x 92 mm

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.

novapress® UNIVERSAL thickness: 2.0 mm

Gasket characteristics acc. DIN EN 13555 (02/2005)

creating hightech solutions

T [°C]	Tightness-class L	$Q_{min(L)}$ [N/mm²]				$Q_{Smin(L)}$ [N/mm²]														
						Q_A [N/mm²]				Q_A [N/mm²]				Q_A [N/mm²]				Q_A [N/mm²]		
						20	40	60	80	20	40	60	80	20	40	60	80	40	60	80
		P_i [bar]				P_i [bar]				P_i [bar]				P_i [bar]				P_i [bar]		
		10	20	**40**	80	10				20				**40**				80		
RT	$L_{1.0}$	< 5	< 10	< 10	< 20	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	$L_{0.1}$	**6**	**< 10**	**11**	**< 20**	**< 5**	**< 5**	**< 5**	**< 5**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**
	$L_{0.01}$	13	16	22	33	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	17	< 10	< 10
	$L_{0.001}$	25	27	35	47	---	6	< 5	< 5	---	< 10	< 10	< 10	---	16	< 10	< 10	---	18	17

	Q_{Smax} [N/mm²]	P_{QR} Stiffness 500 kN/mm			E_G [N/mm²]														
		Q_A [N/mm²]			Q_A [N/mm²]														
		30	50	Q_{Smax}	10	20	30	40	50	60	70	80	100	120	140	160	180	200	220
RT	> 220	0.96	0.96	0.96	1356	1576	1796	2016	2236	2456	2676	2896	3335	3775	4215	4655	5095	5534	5974
100	120	0.87	0.84	0.73	987	1185	1384	1582	1781	1979	2177	2376	2773	3169	---	---	---	---	---
200	80	0.82	0.74	0.68	856	1038	1219	1401	1583	1765	1946	2128	---	---	---	---	---	---	---

Test sample: DN40/PN40 acc. EN 1514-1: 49 x 92 mm

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.

novapress® UNIVERSAL thickness: 3.0 mm

Gasket characteristics acc. DIN EN 13555 (02/2005)

creating hightech solutions

T [°C]	Tightness-class L	$Q_{min(L)}$ [N/mm²]				$Q_{Smin(L)}$ [N/mm²]														
						Q_A [N/mm²]				Q_A [N/mm²]				Q_A [N/mm²]				Q_A [N/mm²]		
						20	40	60	80	20	40	60	80	20	40	60	80	40	60	80
		P_i [bar]				P_i [bar]				P_i [bar]				P_i [bar]				P_i [bar]		
		10	20	**40**	80	10				20				**40**				80		
RT	$L_{1.0}$	< 5	< 10	< 10	< 20	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	$L_{0.1}$	**9**	**16**	**20**	**26**	**< 5**	**< 5**	**< 5**	**< 5**	**< 10**	**< 10**	**< 10**	**< 10**	**18**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**	**< 10**
	$L_{0.01}$	19	29	36	43	14	< 5	< 5	< 5	---	< 10	< 10	< 10	---	18	< 10	< 10	---	< 10	< 10
	$L_{0.001}$	35	43	55	61	---	15	5	< 5	---	---	11	< 10	---	---	35	13	---	---	22

	Q_{Smax} [N/mm²]	P_{QR} Stiffness 500 kN/mm			E_G [N/mm²]														
		Q_A [N/mm²]			Q_A [N/mm²]														
		30	50	Q_{Smax}	10	20	30	40	50	60	70	80	100	120	140	160	180	200	220
RT	200	0.95	0.94	0.93	949	1300	1652	2004	2356	2708	3060	3412	4115	4819	5523	6226	6930	7634	---
100	100	0.80	0.79	0.71	758	1080	1401	1723	2044	2366	2687	3009	3652	---	---	---	---	---	---
200	60	0.69	0.68	0.66	774	1068	1361	1655	1949	2243	---	---	---	---	---	---	---	---	---

Test sample: DN40/PN40 acc. EN 1514-1: 49 x 92 mm

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.