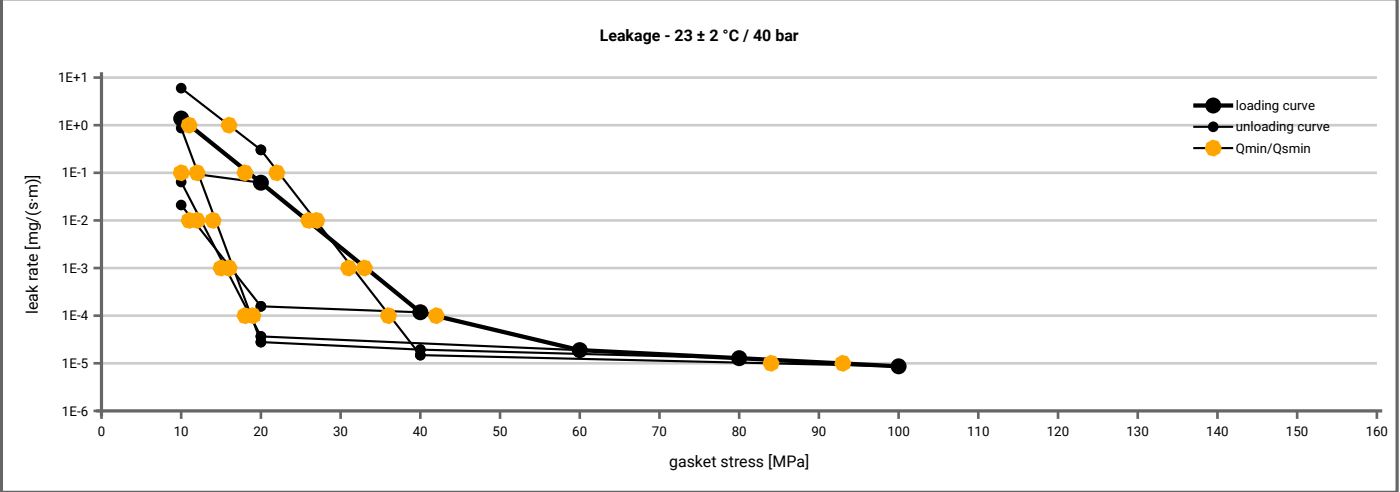


Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to EN 13555 2021-4
Product name	GORE® Gasket Tape Series 500 - 20mm width	
Product dimensions	140 x 100 x 6 mm	

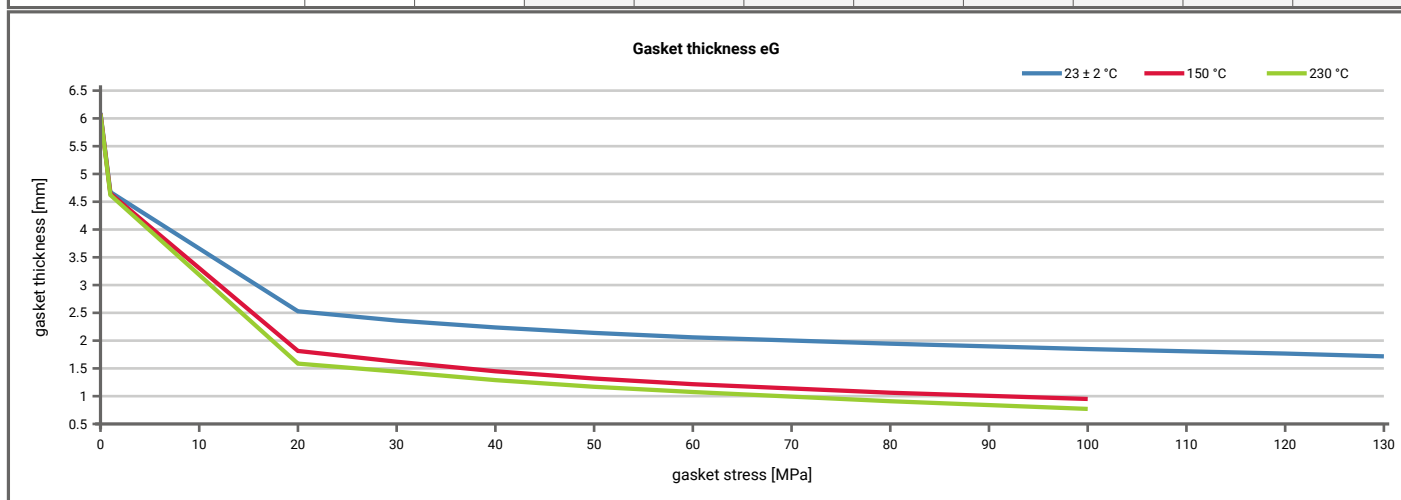
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)							
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 61$ [MPa]	$Q_A = 81$ [MPa]	$Q_A = 101$ [MPa]
1E+1	10		10	10	10	10	10
1E-0	11		10	10	10	10	16
1E-1	19		11	10	10	12	23
1E-2	26			12	13	15	27
1E-3	34			16	16	17	32
1E-4	42				19	19	37
1E-5	93						85
1E-6							
1E-7							



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Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °C]					
	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]
Stress level 1 [30 MPa]	0.85	68	0.41	267	0.31	312				
Stress level 2 [50 MPa]	0.88	90	0.43	430	0.33	505				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.92	157	0.53	709	0.45	837				
Q_{smax}	130 MPa		100 MPa		100 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °C]					
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0	0	6.100	0	6.085	0	6.080				
1	0	4.674	0	4.647	0	4.621				
20	329	2.528	227	1.814	192	1.586				
30	513	2.361	397	1.620	370	1.442				
40	669	2.237	541	1.448	462	1.289				
50	797	2.139	689	1.318	556	1.169				
60	895	2.059	827	1.216	643	1.075				
80	1042	1.945	1056	1.062	842	0.909				
100	1150	1.848	1277	0.950	1106	0.771				
120	1234	1.767								
130	1271	1.717								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 2	Creation date of this sheet: 2023-04-16
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