

Design data for the calculation of plastic tubes

Company:		Address:	
Contact person:			
Phone number:			
E-mail:			
1.	Pressure inside tube	p_i	= bar
2.	Duration of pressure	t	= hours
3.	Outside diameter	d_a	= mm
4.	Inside Diameter	d_i	= mm
5.	Wall thickness	s	= mm
6.	Average diameter of tube	d_m	= mm
7.	Permissible change in diameter delta	Δd_a	= mm
8.	Tube length	l_o	= mm
9.	Ambient temperature	$T_{max.}$	= °C
10.	Temperature of medium, max.	$T_{max.}$	= °C
11.	Flow medium		
12.	Ambient medium		
13.	Tube material		
14.	E-modulus (tensile)		MPa
15.	Coefficient of linear thermal expansion	Alpha	10^{-5} 1/K
16.	Type of operation	continuous use	intermittent use
		operating factor	= %
17.	Special conditions		

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