

*Replaces DVS 2205-1, Supplement 1 (August 1996),
Supplement 2 (August 1996), Supplement 3 (August 1996) and Supplement 10 (July 2005).*

This supplement includes characteristic values for the PP-H, PP-B and PP-R materials.

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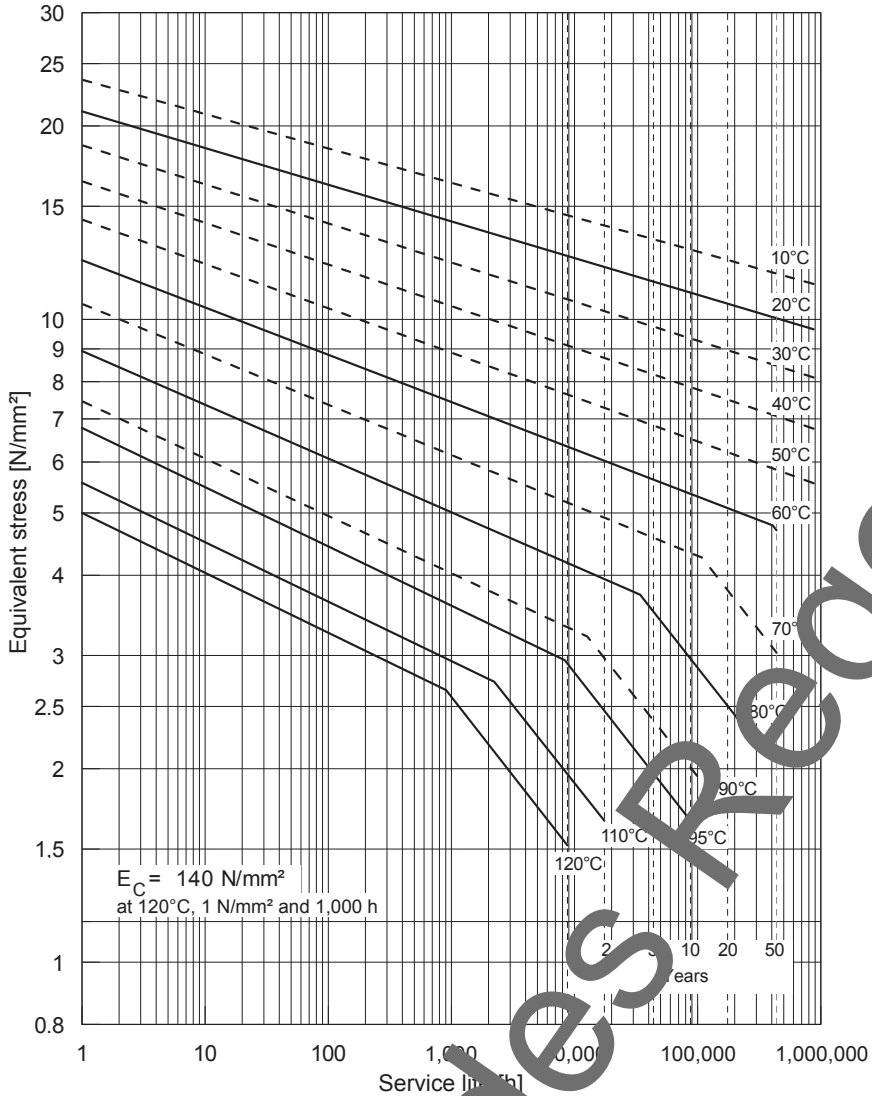
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DVS, Technical Committee, Working Group "Joining of Plastics"

1 PP-H, polypropylene homopolymer

1.1 Creep curves for pipes



Straight line equations:

$$\log(t) = A + B/T \times \log(\sigma) + C/T + D \times \log(\sigma) \quad \log(t) = a + b \times \log(\sigma)$$

Coefficients of the straight lines at 10 - 95°C

Coefficients of the straight lines:		Coefficients of the straight lines:	
Flat branches	Steep branches	Flat branches	Steep branches
$A_1 = -46.3645$	$A_2 = -18.387$	110°C	
$B_1 = -9.601.1$	$B_2 = 0$	$a_1 = 8.06631$	$b_1 = -3.15457$
$C_1 = 20.381.55$	$C_2 = 8,918.5$	$b_1 = -10.3149$	$b_2 = -4.13903$
$D_1 = 15.24$	$D_2 = -4.1$	120°C	
		$a_1 = 7.789$	$a_2 = 4.6841$
		$b_1 = -10.72$	$b_2 = -4.0779$