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AMENDMENT 1
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Plastics piping systems — Mechanical fittings for pressure piping systems — Specifications

AMENDMENT 1

Systèmes de canalisations en plastiques — Raccords mécaniques pour les canalisations sous pression — Spécifications

AMENDEMENT 1

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Plastics piping systems — Mechanical fittings for pressure piping systems — Specifications

AMENDMENT 1

Page 30-31, Annex C, Table C.1

Replace the existing table with the following:

Table C.1 — Test pressure of materials and fittings bodies

Material	Test temperature	Test duration	σ_{tF}	MRS	σ_s
	°C	h	MPa	MPa	MPa
ABS	20	1	24,8	12,5	8,0
	70	1 000	3,1	12,5	8,0
ECTFE	20	40	26,0	18,4	14,3
	80	170	8,0	18,4	14,3
PA 11 160	20	1 000	19,0	16	8,0
	80	165	10,0	16	8,0
PA 11 180	20	1 000	20,0	18	9,0
	80	165	11,5	18	9,0
PA 12 160	20	1 000	19,0	16	8,0
	80	165	10,0	16	8,0
PA 12 180	20	1 000	20,0	18	9,0
	80	165	11,5	18	9,0
PA 12-GF30	20	1	50,0	20	12,5
	60	1 000	20,0	20	12,5
PA 12-GF50	20	1	50,0	20	12,5
	60	1 000	20,0	20	12,5
PA 12-GF65	20	1	50,0	20	12,5
	60	1 000	20,0	20	12,5
PB	20	1	15,5	12,5	10,0
	95	1 000	6,0	12,5	10,0
PE 80	20	1	11,3	8	6,3
	80	1 000	4,0	8	6,3
PE 100	20	1	13,3	10	8,0
	80	1 000	5,0	10	8,0
PE-RT – Type 1	20	1	9,9	8	6,3
	95	1 000	3,4	8	6,3
PE-RT – Type 2	20	1	10,8	8	6,3
	95	1 000	3,6	8	6,3
PE-X	20	1	11,0	8	6,3
	95	1 000	4,4	8	6,3

[a] Valid for design coefficient C = 1,6. For other design coefficients, a different design stress σ_s is used. See ISO 16422.[15]

Table C.1 *(continued)*

Material	Test temperature	Test duration	σ_{tF}	MRS	σ_s
	°C	h	MPa	MPa	MPa
POM-C	20	1	31,5	10	6,3
	60	1 000	5,985	10	6,3
POM-H	20	1	39,69	10	6,3
	60	1 000	9,45	10	6,3
PP-B	20	1	15,75	8	6,3
	95	1 000	2,52	8	6,3
PP-H	20	1	20,79	10	6,3
	95	1 000	3,465	10	6,3
PP-R	20	1	15,75	8	6,3
	95	1 000	3,465	8	6,3
PP-RCT	20	1	15,0	11,2	9,0
	95	1 000	3,8	11,2	9,0
PPSU	20	1	57,1	32	22,4
	95	1 000	21,3	32	22,4
PSU	20	1	66,0	16	11,2
	95	1 000	9,7	16	11,2
PVC-C	20	1	43,0	20	10,0
	60	1 000	16,5	20	10,0
PVC-HI	20	1	30,0	25	10,0
	60	1 000	9,0	25	10,0
PVC-O 315	20	10	40,8	31,5	20,0[a]
	60	1 000	19,2	31,5	20,0[a]
PVC-O 355	20	10	46,0	35,5	22,0[a]
	60	1 000	22,0	35,5	22,0[a]
PVC-O 400	20	10	52,0	40,0	25,0[a]
	60	1 000	25,0	40,0	25,0[a]
PVC-O 450	20	10	60,0	45,0	28,0[a]
	60	1 000	29,0	45,0	28,0[a]
PVC-O 500	20	10	65,0	50,0	32,0[a]
	60	1 000	32,0	50,0	32,0[a]
PVC-U	20	1	42,0	25	10,0
	60	1 000	10,0	25	10,0
PVDF	20	1	32,6	25	16,0
	95	1 000	11,5	25	16,0

[a] Valid for design coefficient C = 1,6. For other design coefficients, a different design stress σ_s is used. See ISO 16422.[15]

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