MESSPHYSIK Laborgeräteges.m.b.H.

Test Certificate

Metals Tensile Test

Material.....~~Aluminium~~ Stahl

Tested on.....2006-01-26

Testing machine.....AG-G
Axial extensometer.....ME46
Test speed 1.....0 % -› 7 mm/min
Test speed 2.....ReH -› 17 mm/min

Directory.....GRUPPE1
Parameterset.....DEFAULT

Legend

E.....E-Modulus
Fm.....Maximum load
Fmin.....Minimum load
A.....Breaking elongation
Ag.....Uniform elongation
Rp0.2.....Proof stress at 0.2%
Rm/Rp0.2.....Yield ratio
Rt1/Rm.....Yield ratio
ReH/Rm.....Yield ratio
r.....Vertical anisotropy
n.....Hardening exponent
T.....Temperature
d.....Diameter
L0.....Gauge length
Date.....Tested on

Test No	E GPa	Fm kN	Fmin kN	A %	Ag %	Rp0.2 MPa	Rm/Rp0.2	Rt1/Rm	ReH/Rm	r	n	T °C	d mm	L0 mm	Date
8	0.606	45.88	0.250	31.77	66.71	n.a.	n.a.	0.759	0.732	n.a.	0.144	20.00	11.14	0.000	2006-01-26