

Test report

Test standard : ČSN EN ISO 6892-1

Material : ocel 12014

Specimen type : 6x30 mm; DIN 50125

Machine data : Zwick Z250, load cell 150 kN

Pre-load : 5 MPa

Speed, E-Modulus : 1 mm/min

Speed, yield point : 1 mm/min

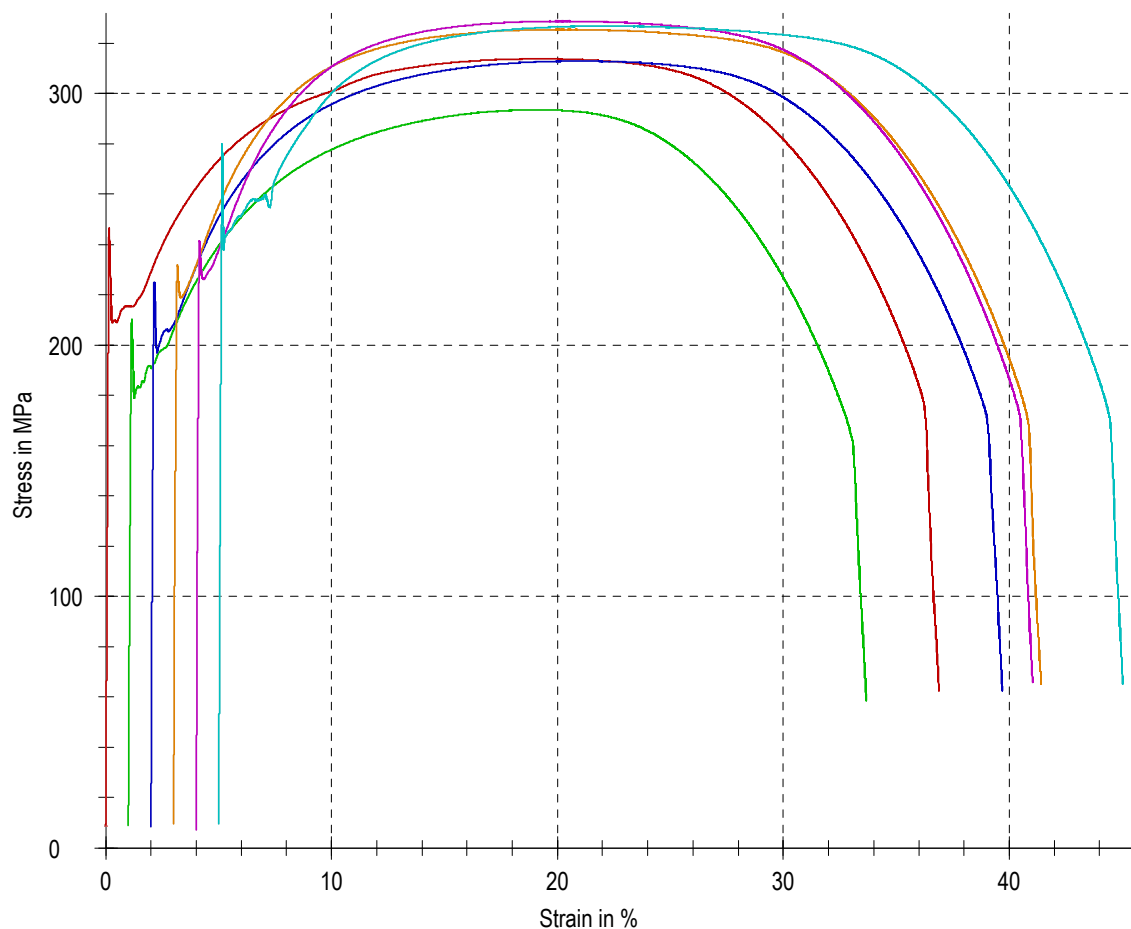
Speed in the yield range : 1 mm/min

Test speed : 2 mm/min

Test results:

Legend	Specimen ID	Notes	d ₀ mm	m _E GPa	R _{eL} MPa	R _{eH} MPa	R _m MPa	A %	Z %
■	R1	20 °C	5,999	188	209	246	314	36,9	78
■	R2	20 °C	6,011	154	179	210	294	32,6	80
■	R3	20 °C	6,004	178	197	225	313	37,7	80
■	A1	20 °C	6,007	162	219	232	325	38,4	81
■	A2	20 °C	6,010	195	226	241	329	37,0	80
■	A3	20 °C	6,016	194	238	280	327	40,0	80

Series graph:



Test report

Test standard : SPT, 1mm/min
 Material : ocel 12014
 Specimen type : Dia 8 x 0,5mm
 Machine data : Zwick Z250, Loadcell: 50 kN, Sensor: MultiXtens

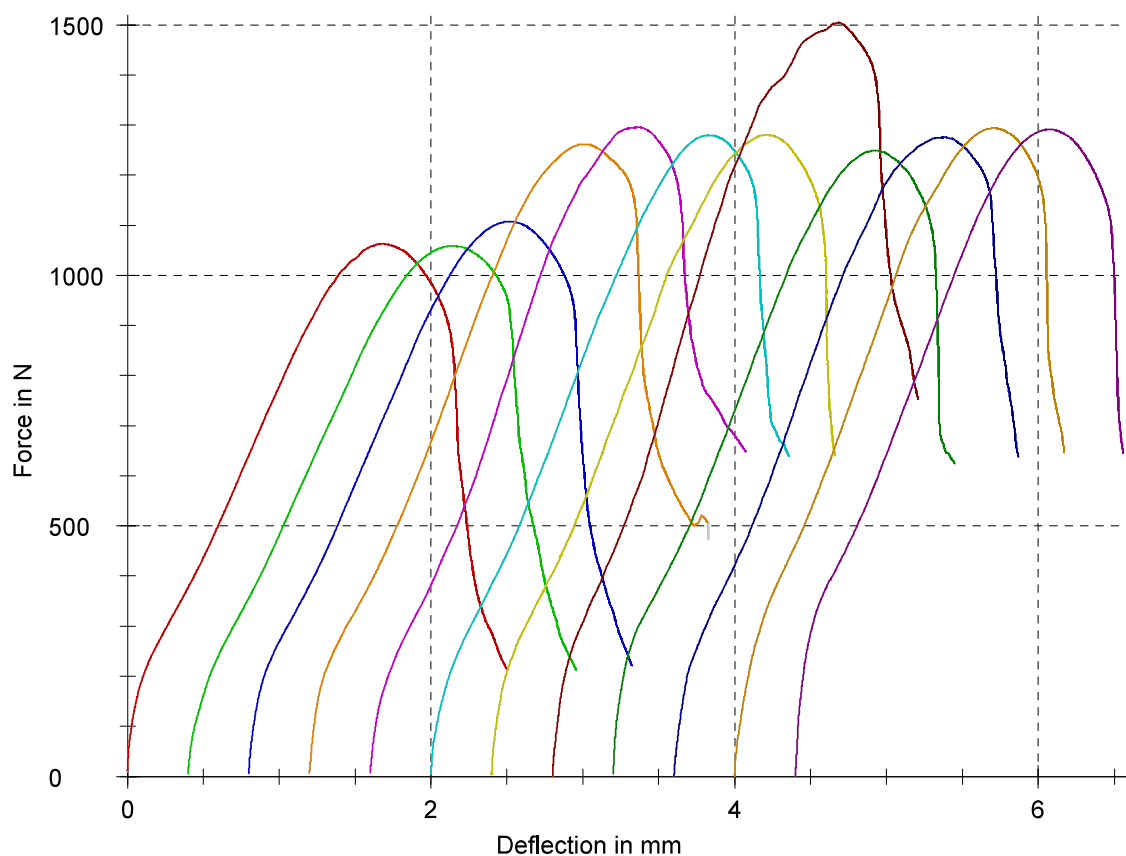
Pre-load : 5 N Speed crush yield point : 1 mm/min
 Speed, compression modulus : 1 mm/min Test speed : 1 mm/min

Test results:

Legend	Specimen ID	Notes	h ₀ mm
■	A01	20 °C	0,503
■	A02	20 °C	0,502
■	A03	0 °C	0,501
■	A04	0 °C	0,502
■	A05	-20 °C	0,503
■	A06	-20 °C	0,501

Legend	Specimen ID	Notes	h ₀ mm
■	A07	-40 °C	0,504
■	A08	-40 °C	0,503
■	A09	-60 °C	0,503
■	A10	-60 °C	0,502
■	A11	-80 °C	0,497
■	A12	-80 °C	0,503

Series graph:



Test report

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 Material : ocel 12014
 Specimen type : Dia 8 x 0,5mm
 Machine data : Zwick Z250, Loadcell: 50 kN, Sensor: MultiXtens

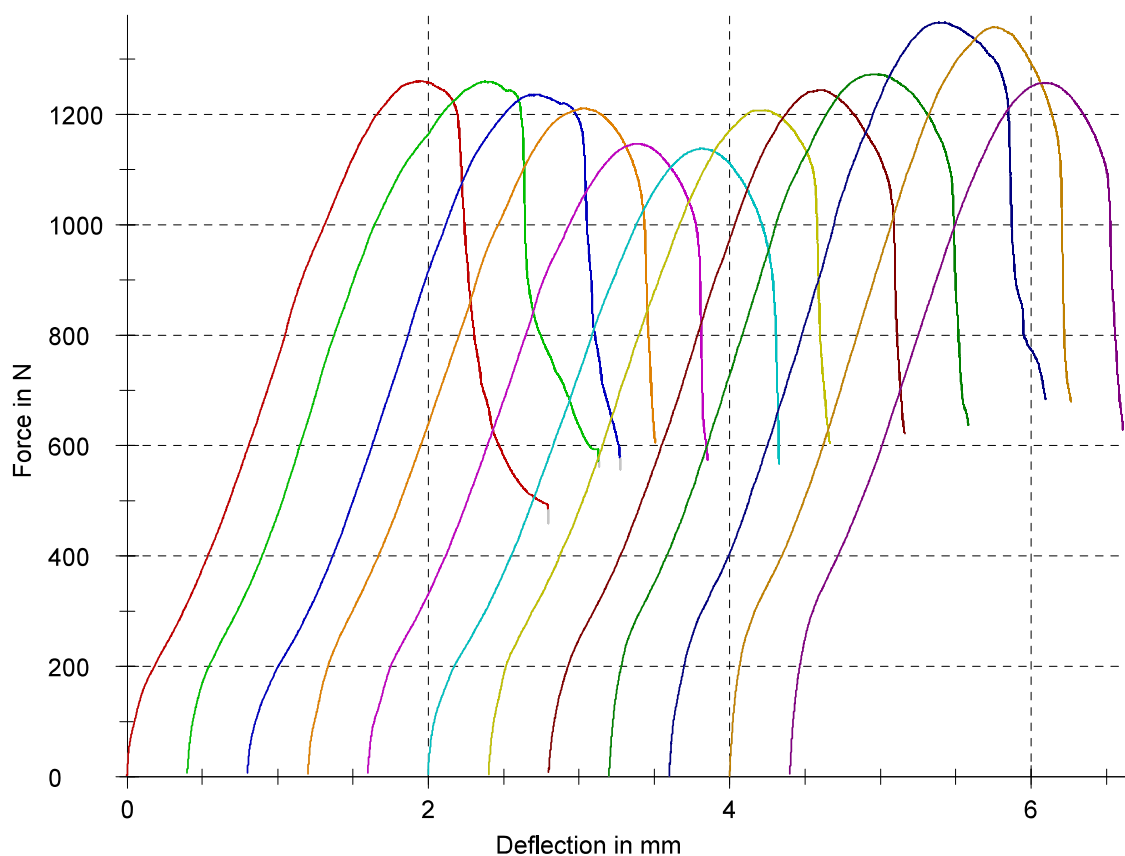
Pre-load : 5 N Speed crush yield point : 1 mm/min
 Speed, compression modulus : 1 mm/min Test speed : 1 mm/min

Test results:

Legend	Specimen ID	Notes	h ₀ mm
■	R01	20 °C	0,5
■	R02	20 °C	0,505
■	R03	0 °C	0,5
■	R04	0 °C	0,503
■	R05	-20 °C	0,502
■	R06	-20 °C	0,502

Legend	Specimen ID	Notes	h ₀ mm
■	R07	-40 °C	0,502
■	R08	-40 °C	0,501
■	R09	-60 °C	0,502
■	R10	-60 °C	0,504
■	R11	-80 °C	0,504
■	R12	-80 °C	0,504

Series graph:



Test report

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 Material : ocel 12014
 Specimen type : Dia 8 x 0,5mm
 Machine data : Zwick Z250, Loadcell: 50 kN, Sensor: MultiXtens

Pre-load : 5 N Speed crush yield point : 1 mm/min
 Speed, compression modulus : 1 mm/min Test speed : 1 mm/min

Test results:

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■	T01	20 °C	0,502
■	T02	20 °C	0,505
■	T03	0 °C	0,504
■	T04	0 °C	0,502
■	T05	-20 °C	0,503
■	T06	-20 °C	0,503

Legend	Specimen ID	Notes	h ₀ mm
■	T07	-40 °C	0,503
■	T08	-40 °C	0,504
■	T09	-60 °C	0,5
■	T10	-60 °C	0,501
■	T11	-80 °C	0,501
■	T12	-80 °C	0,503

Series graph:

