

STRESS REPORT

Description

Brusene – axialny smer

Job #:

Part #:

Stress = -646.9 ± 20.7 MPa

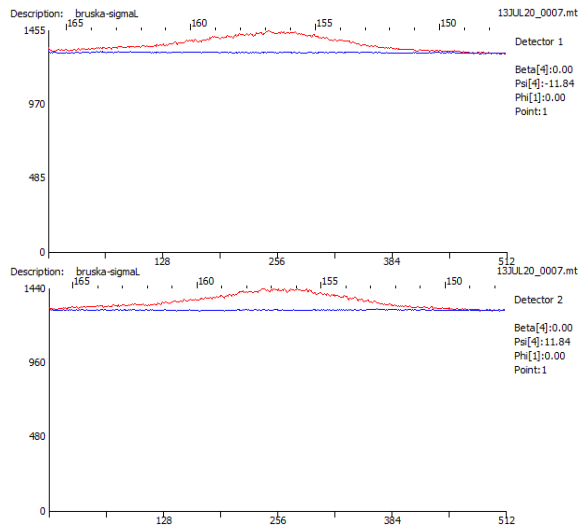
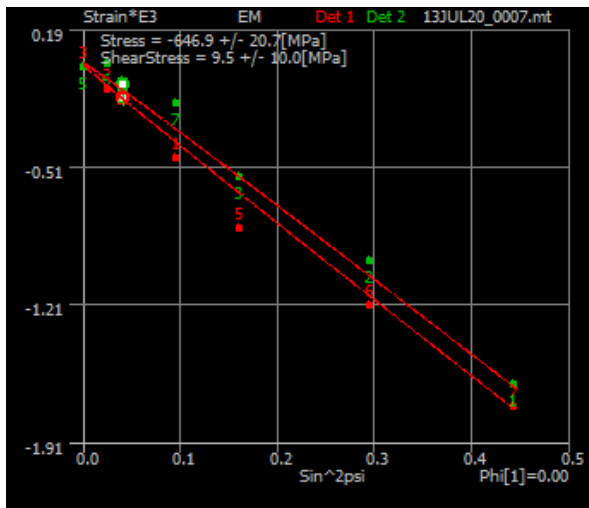
ShearStress = 9.5 ± 10.0 MPa

Intensity Ratio: 1.11 1.12
 Average Peak Breadth: 6.09 ± 0.19 6.18 ± 0.34
 Average Peak FWHM: 5.513 ± 0.16 5.857 ± 0.21
 Average Peak FWHM fit: 6.247 ± 0.09 6.409 ± 0.09
 Detector : 1

Beta Angles	Psi	Sin^2psi	DSpacing	2Theta	Strain*E3	FWHM	FWHM fit:	Breadth	Intensity
30.00	18.15	0.0971	1.169882	156.56	-0.462	5.347	6.156	6.22	67.88
21.16	9.31	0.0262	1.170283	156.38	-0.119	5.652	6.355	6.34	73.37
11.84	-0.00	0.0000	1.170422	156.31	-0.000	5.581	6.312	6.16	74.24
0.00	-11.85	0.0421	1.170237	156.40	-0.158	5.724	6.342	6.20	72.14
-11.84	-23.69	0.1614	1.169459	156.76	-0.824	5.277	6.216	5.83	75.56
-21.16	-33.00	0.2967	1.169003	156.98	-1.213	5.525	6.187	6.00	72.77
-30.00	-41.84	0.4450	1.168393	157.28	-1.734	5.484	6.164	5.87	72.58

Detector : 2

Beta Angles	Psi	Sin^2psi	DSpacing	2Theta	Strain*E3	FWHM	FWHM fit:	Breadth	Intensity
30.00	41.84	0.4450	1.168527	157.21	-1.619	5.415	5.836	5.47	68.39
21.16	33.00	0.2967	1.169268	156.86	-0.987	5.877	6.589	6.26	74.44
11.84	23.69	0.1614	1.169766	156.62	-0.561	5.948	6.524	6.26	73.20
0.00	11.85	0.0421	1.170311	156.36	-0.095	6.036	6.512	6.50	70.93
-11.84	0.00	0.0000	1.170422	156.31	-0.000	5.839	6.450	6.24	74.57
-21.16	-9.31	0.0262	1.170443	156.30	0.017	5.972	6.383	6.42	71.89
-30.00	-18.15	0.0971	1.170203	156.41	-0.188	5.909	6.568	6.12	76.92



PARAMETERS

Material : STEEL(FERRITIC) (BCC, hkl-211)
 Tube: Cr_K-Alpha
 Wavelength: 2.291
 KV:25.00; mA:5.00
 Beta Osc:3.00; Phi Osc:0.00; X Osc:0.00; Y Osc:0.00;
 Exp. time: 1.00 1.00
 Nr of exp: 20 20
 Aperture : 1 mm
 Filters : V

Background static fit:

LeftStartPixel : 3 3
 RightStartPixel: 480 476
 ROI Left: 17 20

Comments:

B# 0, F#: 014FF174, S#: 18, B# 0, F#: 014FF174, S#: 18,

Units: MPa
 Bragg Angle: 156.31
 Peak Location : Gaussian 80%
 Gain Correction: P/G(s)
 PeakShift: Absolute Peak
 (1/2)S2:5.92 E-6 [1/MPa] -SI:1.28 E-6 [1/MPa]
 DSpacing (Angstroms): 1.1704224
 LPA Correction: YES
 Psi Zero Assignment (Pixel) : 261.74 268.54

LeftStopPixel : 33 33
 RightStopPixel : 510 506
 ROI Right : 502 491