

STRESS REPORT

Description

Sumitomo – axialny smer

Job #:

Part #:

Stress = -547.1 ± 10.2 MPa

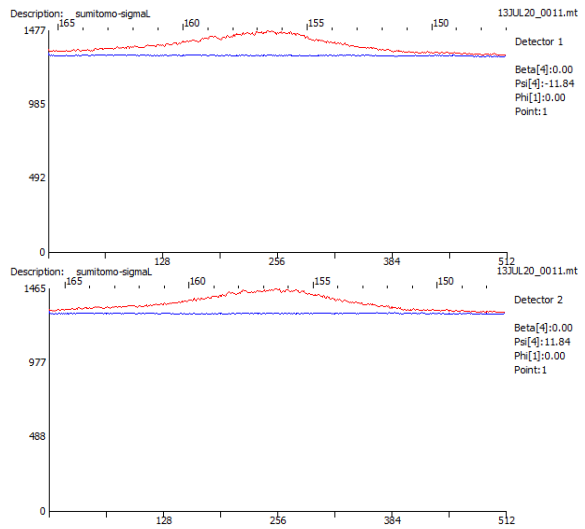
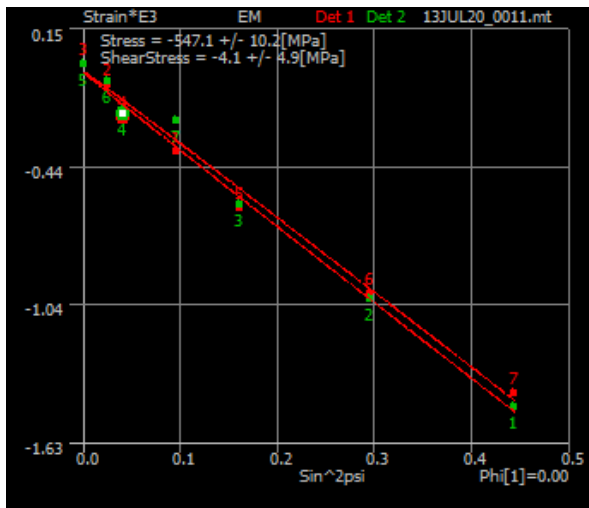
ShearStress = -4.1 ± 4.9 MPa

Intensity Ratio: 1.10 1.19
 Average Peak Breadth: 5.80 ± 0.16 6.04 ± 0.33
 Average Peak FWHM: 5.146 ± 0.16 5.567 ± 0.30
 Average Peak FWHM fit: 5.910 ± 0.06 6.077 ± 0.06
 Detector : 1

Beta Angles	Psi	Sin^2psi	DSpacing	2Theta	Strain*E3	FWHM	FWHM fit:	Breadth	Intensity
30.00	18.15	0.0971	1.169974	156.52	-0.383	5.104	5.856	5.71	78.21
21.16	9.31	0.0262	1.170313	156.36	-0.094	5.283	5.982	6.06	78.28
11.84	-0.00	0.0000	1.170422	156.31	0.000	5.105	5.892	5.78	81.41
0.00	-11.85	0.0421	1.170148	156.44	-0.235	5.341	5.986	5.97	76.97
-11.84	-23.69	0.1614	1.169694	156.65	-0.622	4.928	5.950	5.69	78.39
-21.16	-33.00	0.2967	1.169263	156.86	-0.991	4.978	5.869	5.67	74.92
-30.00	-41.84	0.4450	1.168757	157.10	-1.423	5.285	5.832	5.70	73.87

Detector : 2

Beta Angles	Psi	Sin^2psi	DSpacing	2Theta	Strain*E3	FWHM	FWHM fit:	Breadth	Intensity
30.00	41.84	0.4450	1.168688	157.14	-1.482	4.908	5.470	5.33	66.50
21.16	33.00	0.2967	1.169239	156.87	-1.011	5.801	6.142	6.13	75.81
11.84	23.69	0.1614	1.169709	156.65	-0.609	5.551	5.976	6.01	78.27
0.00	11.85	0.0421	1.170170	156.43	-0.215	5.619	6.179	6.10	78.87
-11.84	0.00	0.0000	1.170422	156.31	-0.000	5.707	6.266	6.18	78.79
-21.16	-9.31	0.0262	1.170334	156.35	-0.076	5.710	6.238	6.23	77.80
-30.00	-18.15	0.0971	1.170132	156.45	-0.248	5.670	6.270	6.31	75.28



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) : 252.89 259.88

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