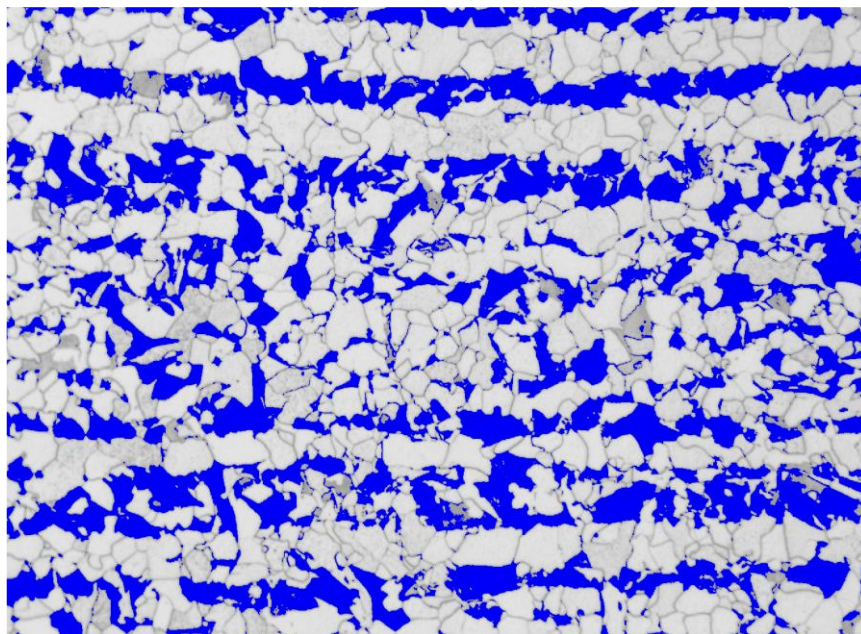


Banding and Orientation of Microstructures as per ASTM E1268-19

Date:	2025-déc.-03, 10:24:53 GMT-05:00	t (for CI):	100
User:		Units:	Microns
Sample ID:		Magnification:	200
Origin:		Calibration (µm/pix):	0,8371 µm/pixel
Location:		Field Count:	1
Product Form:		Field Area (µm ²):	1004825
<i>You have to analyze more than one field!</i>		Total Analyzed Area (µm ²):	1004825

Nature and extent of the banded or oriented microstructural condition in presence:

Figure 1: Typical field



Comment: Unknown

N_{L||} : *Number of interceptions per unit length parallel to the deformation axis*

95% CI: +/-	0	Std Dev:	0,00	Min:	0,02
% RA:	0	Mean:	0,02	Max:	0,02
Range:	0,02		0,02 µm ⁻¹		

N_{L⊥} : *Number of interceptions per unit length perpendicular to the deformation axis*

95% CI: +/-	0	Std Dev:	0,00	Min:	0,02
% RA:	0	Mean:	0,02	Max:	0,02
Range:	0,02		0,02 µm ⁻¹		

P_{L||} : *Number of boundary intersections per unit length parallel to the deformation axis*

95% CI: +/-	0	Std Dev:	0,00	Min:	0,04
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% RA:	0	Mean:	0,04	Max:	0,04
		Range:	0,04	0,04 μm^{-1}	
P_L :	<i>Number of boundary intersections per unit length perpendicular to the deformation axis</i>				
95% CI: +/-	0	Std Dev:	0,00	Min:	0,04
% RA:	0	Mean:	0,04	Max:	0,04
		Range:	0,04	0,04 μm^{-1}	
AI:	<i>Anisotropy index</i>				
95% CI: +/-	0	Std Dev:	0,00	Min:	1,07
% RA:	0	Mean:	1,07	Max:	1,07
		Range:	1,07	1,07	
Ω_{12} :	<i>Degree of orientation</i>				
95% CI: +/-	0	Std Dev:	0,00	Min:	0,04
% RA:	0	Mean:	0,04	Max:	0,04
		Range:	0,04	0,04	
SB_⊥ :	<i>Mean spacing (center-to-center) of the banded or oriented phase</i>				
95% CI: +/-	0	Std Dev:	0,00	Min:	40,29
% RA:	0	Mean:	40,29	Max:	40,29
		Range:	40,29	40,29 μm	
$\lambda_{\perp}$ (μm:	<i>Mean free path spacing (edge-to-edge)</i>				
95% CI: +/-	0	Std Dev:	0	Min:	33,96
% RA:	0	Mean:	33,96	Max:	33,96
		Range:	33,96	33,96 μm	
BR :	<i>Banding rate</i>				
			3,69		