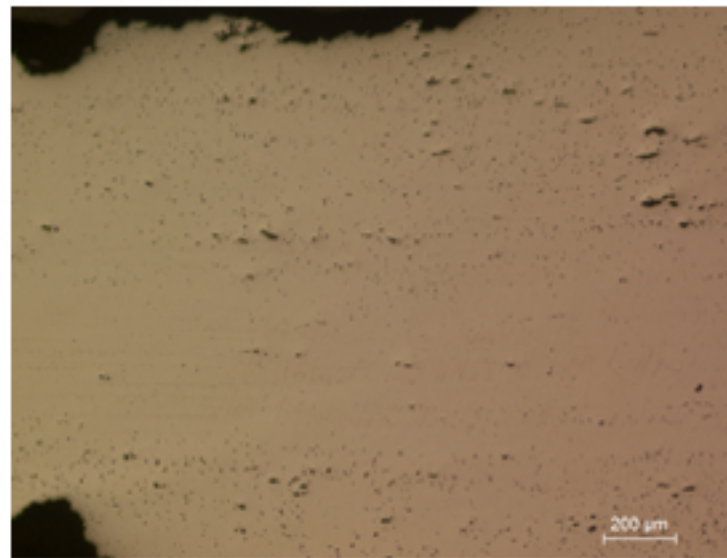


## A83 - MALAYSIA KRIS



A83.1

### Identification

**Sample:** A83  
**Card reference:** S47  
**Origin:** Malaysia  
**Location:** Collection AFL

### Description

The blade is formed partly of pure Fe and partly of carburized Fe which have been forged together, and folded many times, giving a foliated structure.

### Figure captions

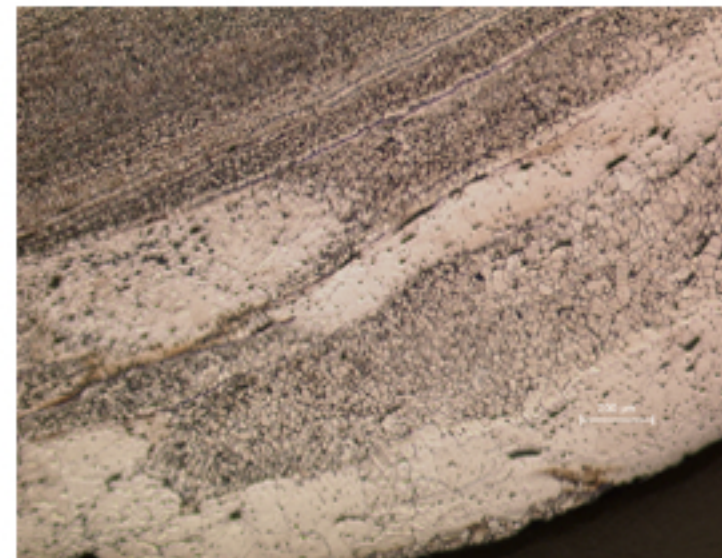
A83.1  
General view showing the heterogeneous distribution of inclusions (containing P, Si and K).

A83.2  
General view showing different materials forged together: the carbon-rich one (ferrite+pearlite) is darker than the almost pure Fe (ferrite) (etchant: Nital 4%).

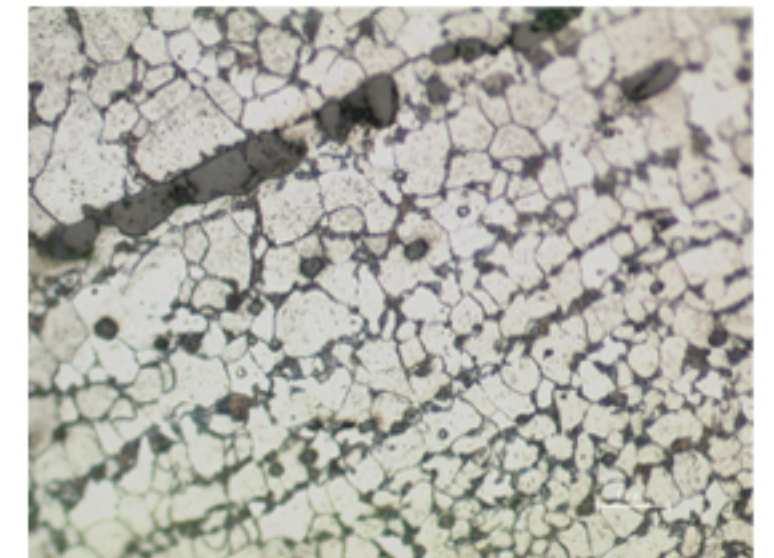
A83.3  
Detail showing how the different materials are aligned preferentially, indicating how they have been assembled (etchant: Nital 4%).

A83.4  
Detail showing the difference in grain sizes: those with more carbon are smaller (etchant: Nital 4%).

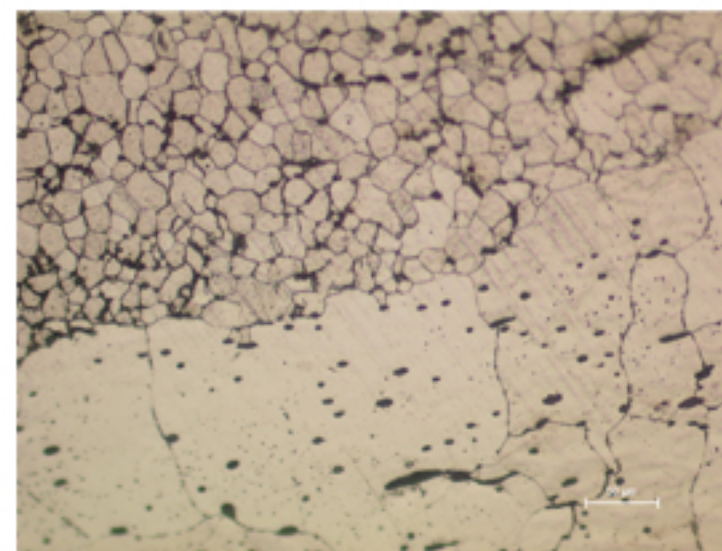
A83.5  
Detail of the carbon-rich part: pearlite is distributed overall at ferrite grain boundaries (etchant: Nital 4%).



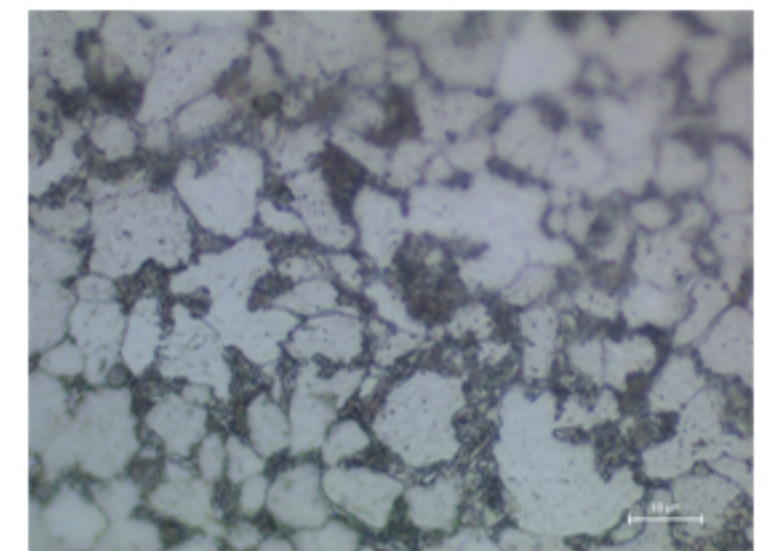
A83.2



A83.3

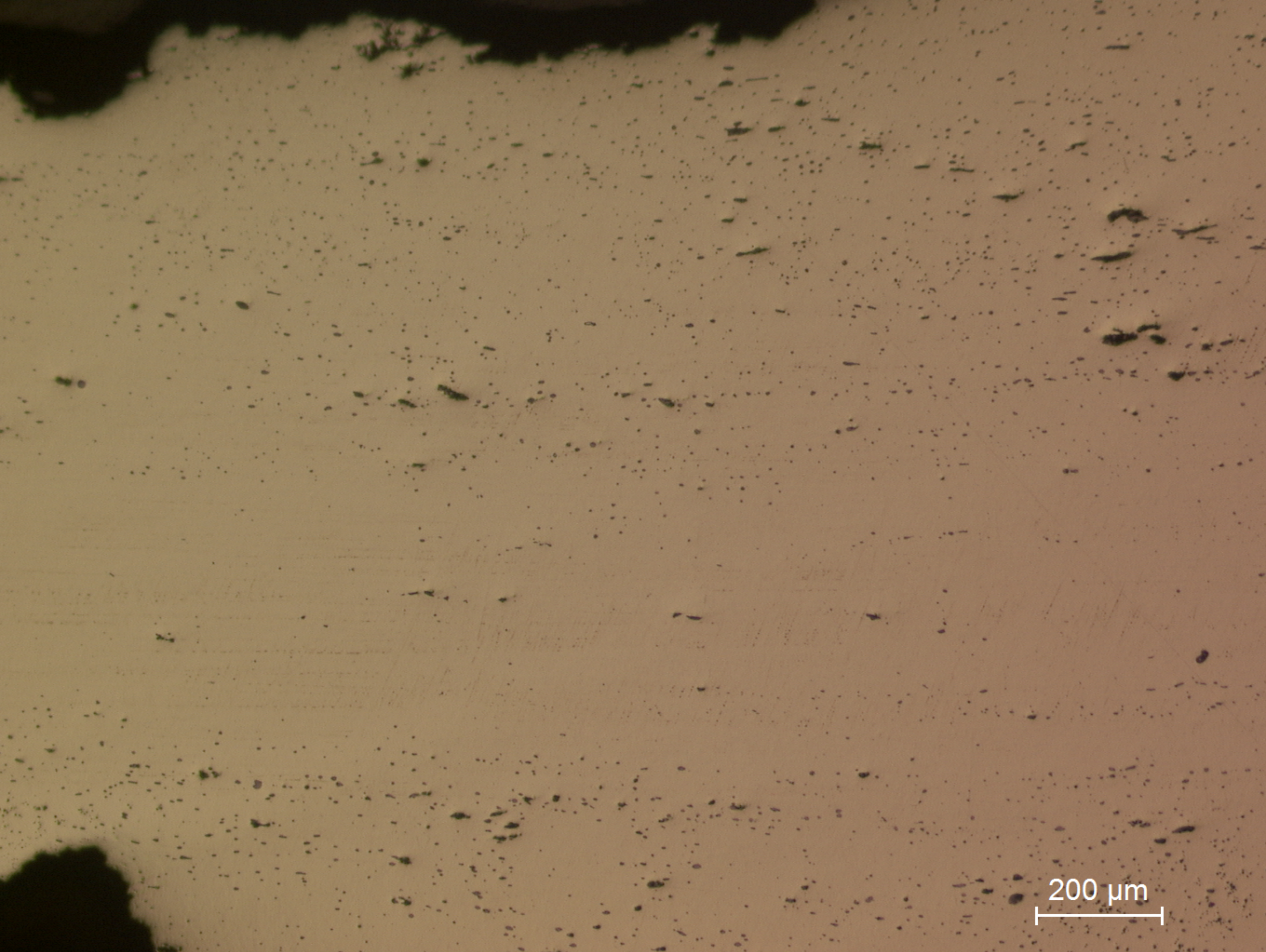


A83.4



A83.5

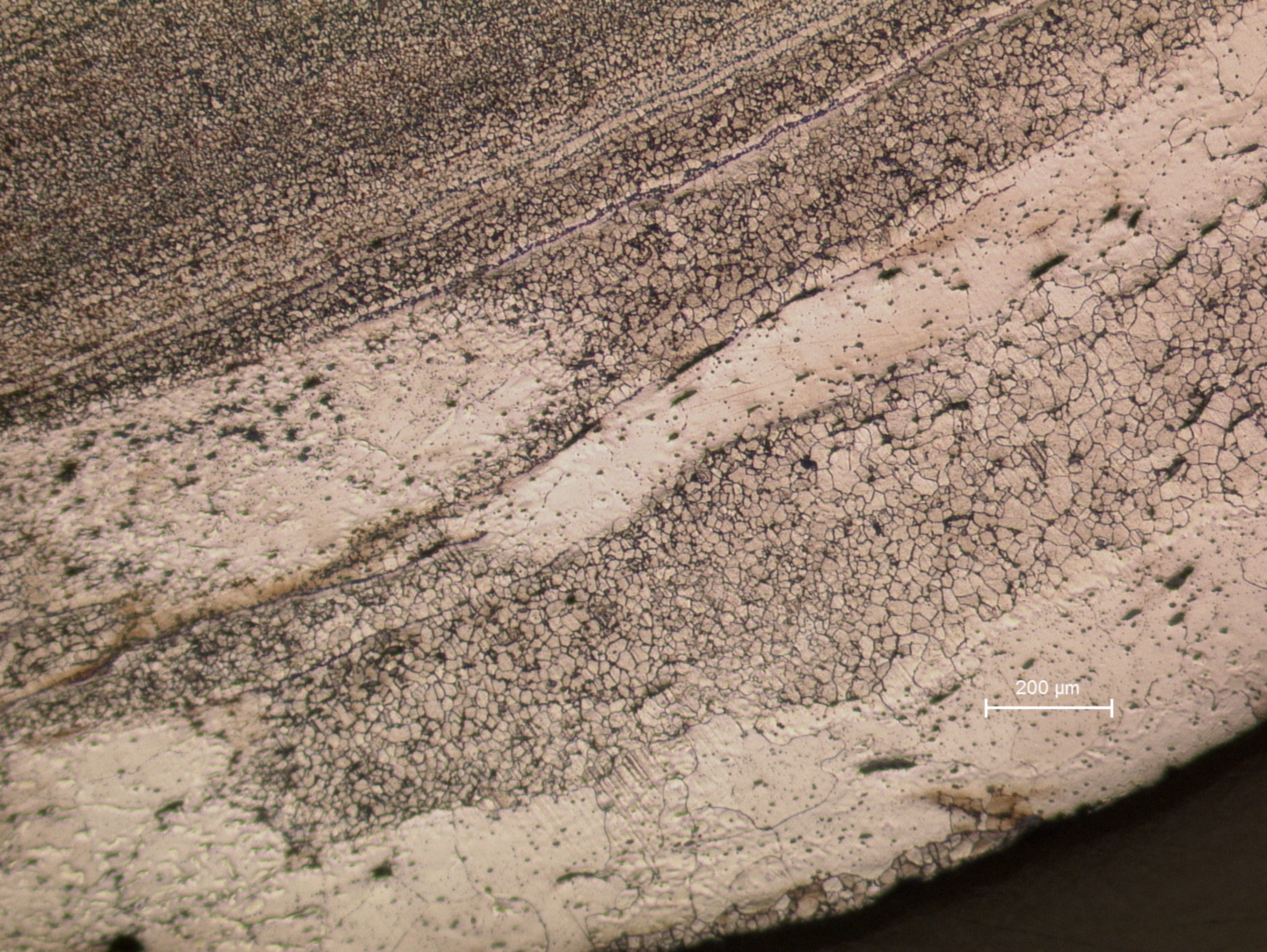




200 μm

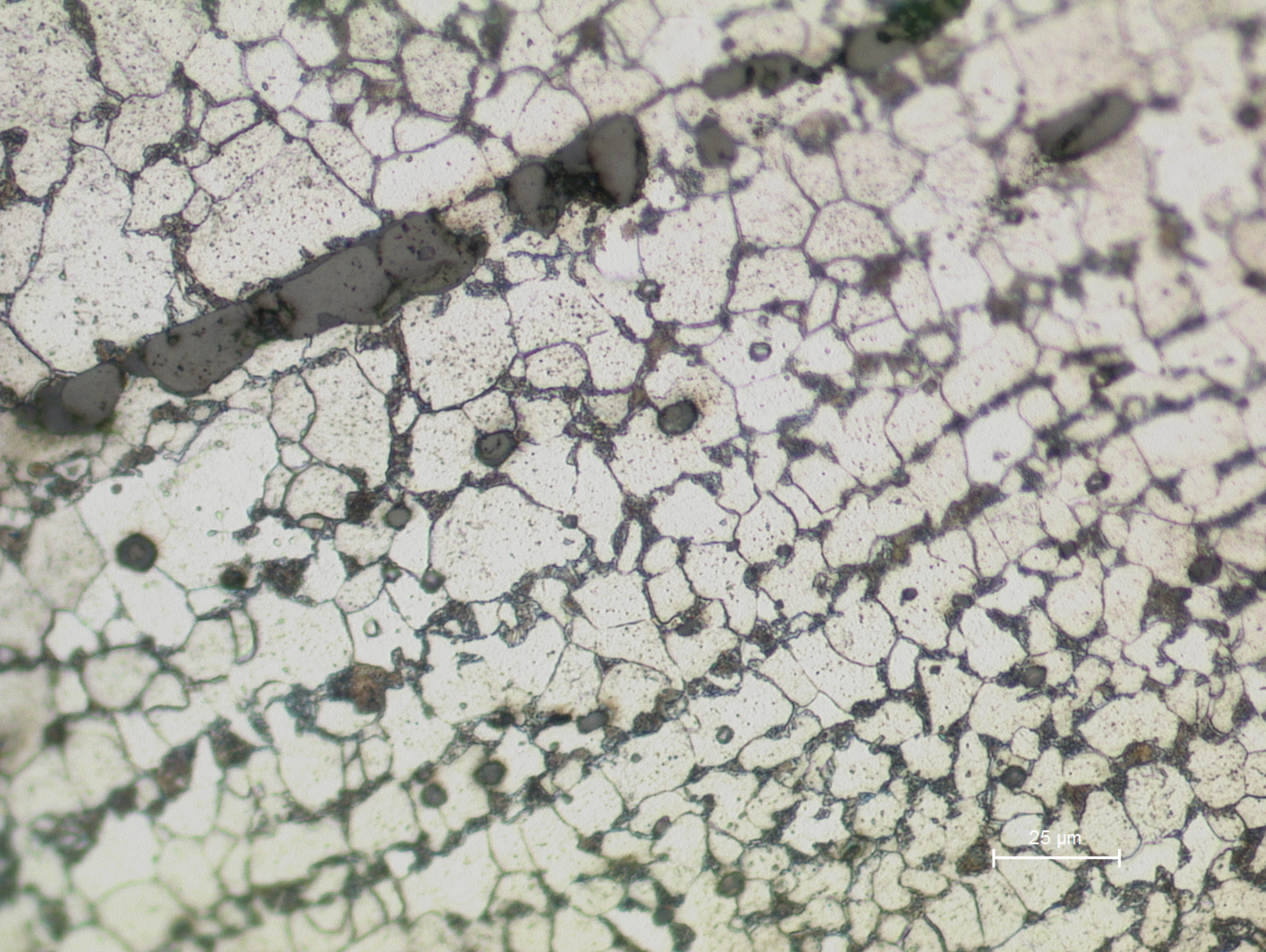
**A83.1**  
General view showing the heterogeneous distribution of inclusions (containing P, Si and K).





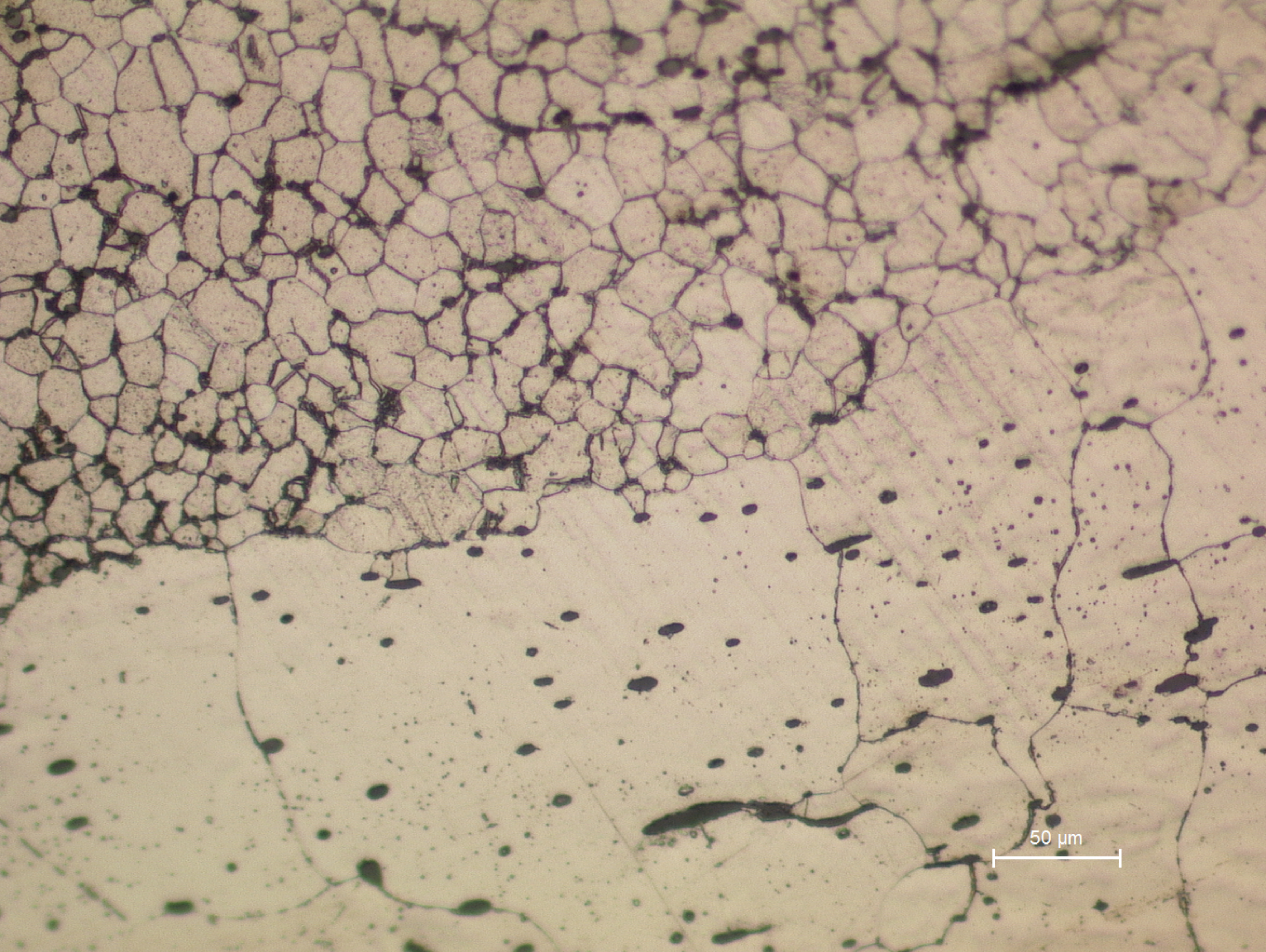
**A83.2**  
General view showing different materials forged together: the carbon-rich one (ferrite+pearlite) is darker than the almost pure Fe (ferrite) (etchant: Nital 4%).





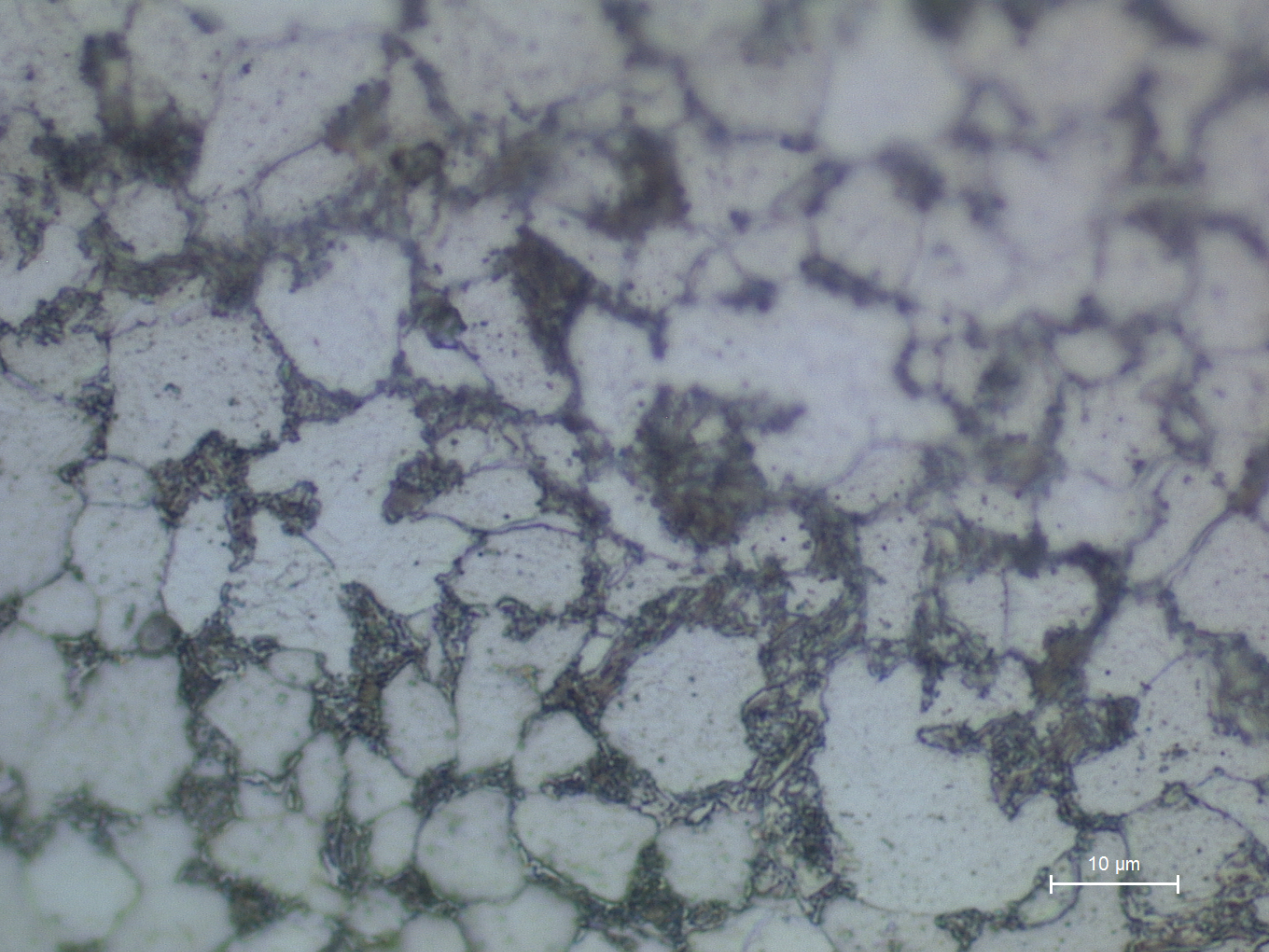
**A83.3**  
Detail showing how the different materials are aligned preferentially, indicating how they have been assembled (etchant: Nital 4%).





**A83.4**  
Detail showing the difference in grain sizes: those with more carbon are smaller (etchant: Nital 4%).





10 μm

**A83.5**  
Detail of the carbon-rich part: pearlite is distributed overall at ferrite grain boundaries (etchant: Nital 4%).