

HARDNESS AND POROSITY VOLUME % IN SINTERED PART

Report Type: Sintered block

Department: R&D

Analysis Type: To determine porosity volume fraction variation across a

sintered part compared to its Vickers hardness.

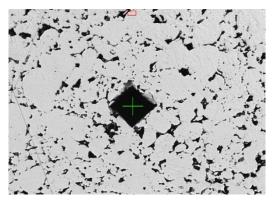


Figure 1: Original image after indentation.

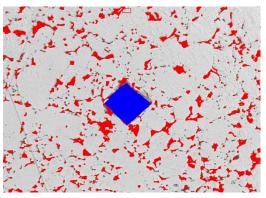


Figure 2: Porosity and indent are detected and assigned in different bitplanes.

Results:

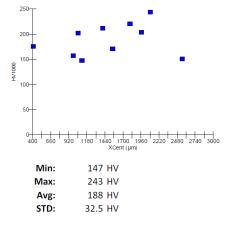


Figure 3: Vickers hardness measurements.

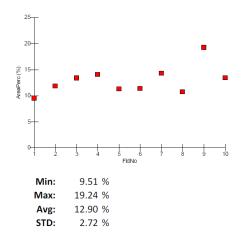


Figure 4: Porosity Vol.% variation across the sintered part.

Comments:

