

## Spis norm metalograficznych PN-EN i ISO

1. PN-H-04512:1975P – Metale nieżelazne. Odczynniki do ujawniania mikrostruktury
2. PN-H-04511:1975P – Metale nieżelazne. Odczynniki do ujawniania makrostruktury
3. PN-H-04502:1961P Odczynniki do badania makrostruktury stopów żelaza
4. PN-H-04503:1961P Odczynniki do badania mikrostruktury stopów żelaza
5. ISO 4969:1980Steel -- Macroscopic examination by etching with strong mineral acids
6. ISO 16700:2004 Microbeam analysis -- Scanning electron microscopy -- Guidelines for calibrating image magnification
7. ISO 13067:2011 Microbeam analysis -- Electron backscatter diffraction -- Measurement of average grain size
8. ISO/TS 24597:2011 Microbeam analysis -- Scanning electron microscopy -- Methods of evaluating image sharpness
9. ISO 29301:2010 Microbeam analysis -- Analytical transmission electron microscopy -- Methods for calibrating image magnification by using reference materials having periodic structures
10. ISO 16592:2012 Microbeam analysis -- Electron probe microanalysis -- Guidelines for determining the carbon content of steels using a calibration curve method
11. ISO 18118:2004 Surface chemical analysis -- Auger electron spectroscopy and X-ray photoelectron spectroscopy -- Guide to the use of experimentally determined relative sensitivity factors for the quantitative analysis of homogeneous materials
12. ISO 22489:2006 Microbeam analysis -- Electron probe microanalysis -- Quantitative point analysis for bulk specimens using wavelength-dispersive X-ray spectroscopy
13. ISO 22309:2011 Microbeam analysis -- Quantitative analysis using energy-dispersive spectrometry (EDS) for elements with an atomic number of 11 (Na) or above
14. ISO 4967:2013 Steel -- Determination of content of non-metallic inclusions -- Micrographic method using standard diagrams
15. PN-EN ISO 643:2013-06 - Stal -- Mikrograficzne określanie wielkości ziarna

16. ISO 14250:2000 Steel -- Metallographic characterization of duplex grain size and distributions
17. ISO 945-1:2008 Microstructure of cast irons -- Part 1: Graphite classification by visual analysis
18. ISO/TR 945-2:2011 Microstructure of cast irons -- Part 2: Graphite classification by image analysis
19. PN-H-04661:1975P – Żeliwo szare sferoidalne i ciągliwe. Badania metalograficzne. Określanie mikrostruktury
20. ISO 4545-1:2005 Metallic materials -- Knoop hardness test
21. PN-EN ISO 6507-1:2006E Metale. Pomiar twardości sposobem Vickersa. Część 1: Metoda badań
22. PN-ISO 3057:2000 - wersja polska Badania nieniszczące -- Badanie powierzchni technikami replik metalograficznych, Norma wycofana
23. PN-ISO 3887:1999P Stal niestopowa i niskostopowa. Określanie głębokości odwęglania
24. ISO 9042:1988 Steels -- Manual point counting method for statistically estimating the volume fraction of a constituent with a point grid