

IS 17025
ACCREDITED LABORATORY

ExcelPlas

ExcelPlas Labs Develop Finger-Printing Technique for PE100 Pipe Resins

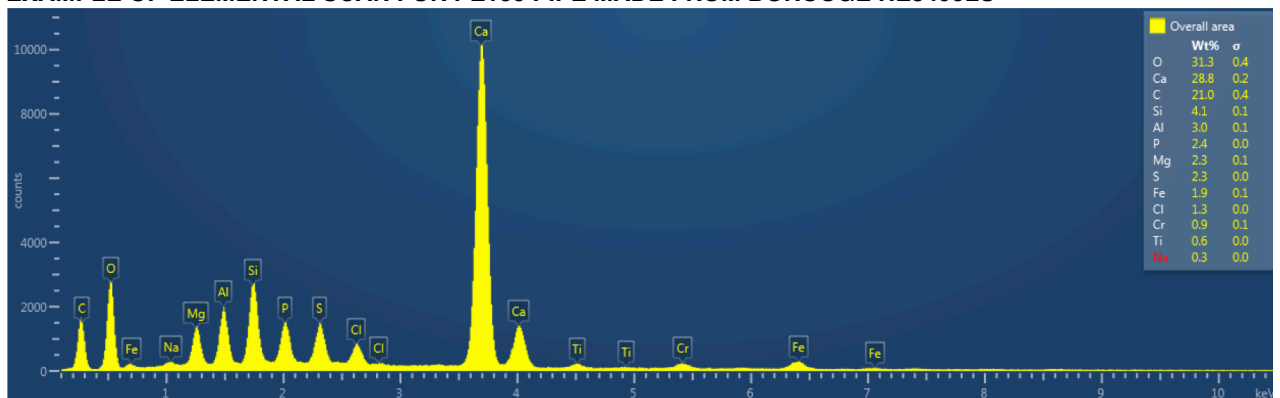
ExcelPlas Labs have developed an analytical technique to identify different PE100 pipe resins based on their unique combination of trace elements from catalyst residues.

The trace elemental technique can detect the ratio of various trace catalyst elements as well as lubricants and other additives.

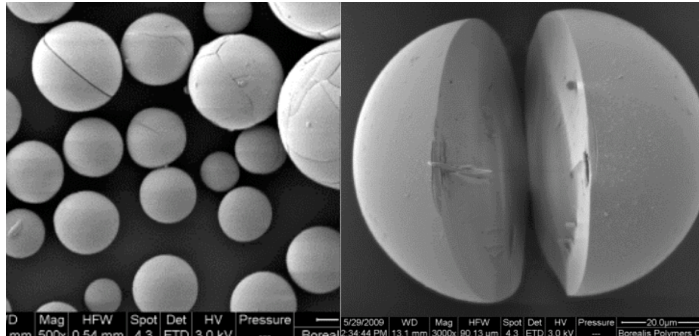
By comparing the elemental ratios to a library of know PE100 pipe standards one can identify the manufacturer of the PE100 pipe material or resins.

This technique has application in failure analysis, product traceability, product liability and legal disputes involving PE100 pipes.

EXAMPLE OF ELEMENTAL SCAN FOR PE100 PIPE MADE FROM BOROUGE HE3490LS



MICROGRAPH BELOW SHOWS CATALYST PARTICLES OF BORSTAR ACT



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