

Reference procedure

Determination of the amount of organic Si compounds on elastomeric surfaces by electron spectroscopy (XPS/ESCA)

Proof of competence

ISO/IEC 17025 accreditation

Testing quantities and objects

Elastomeric moulded parts, e.g. sealants, tubes

Testing range

Si amount > 0.6 at%

Expanded measurement uncertainty ($k = 2$)

Relative $U(n) = 32 \%$

Field of application

Mechanical or automotive industry, plastic industry

References

Th. Gross, D. Treu, W. Unger, Standard operating procedure (SOP) for the quantitative determination of organic silicon compounds at the surface of elastomeric sealants *Applied Surface Science* **2001**, 179, 1, 109-112, [https://doi.org/10.1016/S0169-4332\(01\)00271-9](https://doi.org/10.1016/S0169-4332(01)00271-9).

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