

DIN EN ISO 23936-1:2009-12 (E)

Petroleum, petrochemical and natural gas industries - Non-metallic materials in contact with media related to oil and gas production - Part 1: Thermoplastics (ISO 23936-1:2009); English version EN ISO 23936-1:2009

| Inhalt | Seite |
|--|--------------|
| Introduction | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms, definitions and abbreviated terms | 6 |
| 3.1 Terms and definitions | 6 |
| 3.2 Abbreviated terms | 7 |
| 4 Functional requirements | 8 |
| 4.1 General | 8 |
| 4.2 Pipelines, piping and liners | 9 |
| 4.3 Seals, washers and gaskets | 14 |
| 4.4 Encapsulations, electrical insulations, injection lines | 16 |
| 5 Requirements for technical information | 16 |
| 6 Requirements for manufacturers | 17 |
| 6.1 General requirements | 17 |
| 6.2 Raw material manufacturer | 18 |
| 6.3 Component manufacturer | 18 |
| 6.4 Validity of qualification | 18 |
| 7 Qualification of thermoplastic materials | 18 |
| 7.1 General | 18 |
| 7.2 Requirements for chemical resistance tests | 18 |
| Annex A (informative) Typical chemical properties of commonly used thermoplastic materials in media encountered in oil and gas production | 20 |
| Annex B (normative) Test media, conditions, equipment, procedures and test report requirements | 24 |
| Bibliography | 29 |