BS ISO 5119:2023

BSI Standards Publication

Low temperature sealing capability of elastomeric seals — Test methods

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The UK participation in its preparation was entrusted to Technical Committee MCE/11, Fluid seals and their housings.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Foreword

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Introduction

There are several existing specifications to determine the low-temperature characteristics of elastomeric seal materials. There are also proprietary functional test procedures that aim to identify the minimum operating temperature for seals; however, all of these rely on the seal being energized by the pressure of the test fluid before being subjected to low temperature.

This specification gives details of a test procedure to act as a guide to the minimum operating temperature of elastomeric seals when used in static sealing applications when pressure is applied after cooling, the more commonly encountered situation.

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