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Second edition
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Thermoplastics materials for pipes and fittings for pressure applications — Classification, designation and design coefficient

Matières thermoplastiques pour tubes et raccords pour applications avec pression — Classification, désignation et coefficient de calcul



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 12162 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories — Test methods and basic specifications*.

This second edition cancels and replaces the first edition (ISO 12162:1995), which has been technically revised.

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Introduction

The revision of this International Standard incorporates the introduction of a $CRS_{\theta,t}$ value (categorized required strength at a temperature θ and time t), in addition to the MRS classification and the introduction of minimum design coefficients for additional materials.

The classification in this International Standard does not qualify a material for a specific application. For specific applications, the relevant product standards require that additional mechanical and physical properties be met.