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Plastics piping systems — Polyolefin pipes and mechanical fitting assemblies — Test method for the resistance to end load (AREL test)

Systèmes de canalisations en matières plastiques — Assemblages de tubes en polyoléfines et raccords mécaniques — Méthode d'essai de résistance en fin de charge (essai AREL)

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Foreword

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ISO 19899 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*.

Introduction

The Accelerated Relaxation and End Load test (AREL) was introduced initially in the gas industry product standard for full end-load-bearing mechanical fittings designed for connection to PE gas pipes. Its introduction as a stand-alone test method covering polyolefin pipes provides the opportunity for the method to be used in other application areas.