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Standards

Irish Standard  
I.S. EN 16079:2011

# Founding - Compacted (vermicular) graphite cast irons

## I.S. EN 16079:2011

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## Founding - Compacted (vermicular) graphite cast irons

Fonderie - Fontes à graphite vermiculaire (compacté)

Gießereiwesen - Gusseisen mit Vermiculargraphit

This European Standard was approved by CEN on 1 October 2011.

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## **Foreword**

This document (EN 16079:2011) has been prepared by Technical Committee CEN/TC 190 "Foundry technology", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

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Within its programme of work, Technical Committee CEN/TC 190 requested CEN/TC 190/WG 5 "Grey cast iron and compacted graphite cast iron" to prepare EN 16079.

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## **Introduction**

This European Standard classifies compacted (vermicular) graphite cast irons (CGI), in accordance with the mechanical properties of the material.

The properties of compacted (vermicular) graphite cast irons depend on their graphite and matrix microstructure.

The mechanical properties of the material can be evaluated on machined test pieces prepared from

- separately cast samples,
- side by side cast samples,
- cast-on samples or
- samples cut from a casting.

Annex A (informative) gives additional information on properties and typical applications of compacted (vermicular) graphite cast irons.

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