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Irish Standard I.S. EN 4637:2010

# Aerospace series - Blast media - White corundum

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# EUROPEAN STANDARD NORME EUROPÉENNE

EN 4637

# EUROPÄISCHE NORM

April 2010

ICS 49.040

**English Version** 

### Aerospace series - Blast media - White corundum

Série aérospatiale - Produit de projetage - Corindon blanc

Luft- und Raumfahrt - Strahlmittel - Edelkorund, weiß

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## Foreword

This document (EN 4637:2010) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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#### 1 Scope

This standard specifies the characteristics of white corundum used as blast media for aerospace applications.

#### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 565, Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings

ISO 8486-1, Bonded abrasives — Determination and designation of grain size distribution — Part 1: Macrogrits F4 to F220

ISO 8486-2, Bonded abrasives — Determination and designation of grain size distribution — Part 2: Microgrits F230 to F2000

#### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

d<sub>s3</sub> max.

the grain size (theoretical grain diameter) must not exceed the maximum permissible  $d_{s3}$ -value at the 3 % point of the grain size distribution curve

3.2

#### d<sub>s50</sub>

the median grain size (theoretical grain diameter) must be within the specified tolerances of the  $d_{s50}$ -value at the 50 % point of the grain size distribution curve

#### 3.3

d<sub>s94</sub> min.

the grain size (theoretical grain diameter) must at least attain the  $d_{s94}$ -value at the 94 % point of the grain size distribution curve

#### 4 Characteristics

The characteristics for each product are specified in the following annexes.



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