

## MOLYBDENUM CARBIDE

**Description of Product** Molybdenum carbide is used in the production of solid molybdenum carbide grades of hardmetal in the manufacture of mixed crystal.

**Grades Available** **Product Designation**  
Mo<sub>2</sub>C 160  
Mo<sub>2</sub>C 300

---

### Chemical Characteristics<sup>1)</sup>

(Mass fraction in % [cg/g]; ppm [µg/g])

	Mo <sub>2</sub> C 160	Mo <sub>2</sub> C 300
C <sub>total</sub>	5.7 - 6.0 %	5.7 - 6.0 %
C <sub>free</sub>	max. - 0.3 %	max. 0.3 %
O	max. 0.8 %	max. 0.5 %
N	max. 2000 ppm	max. 2000 ppm
Al	max. 500 ppm	max. 500 ppm
Ca	max. 50 ppm	max. 50 ppm
Fe	max. 500 ppm	max. 500 ppm
S	max. 30 ppm	max. 30 ppm
Si	max. 200 ppm	max. 200 ppm

### Physical Characteristics

Fisher number (as supplied) 1.5 - 2.0 µm 2.5 - 3.5 µm

---

1) Information on chemical analytical methods and list of analyzed items on request.

Number PD-5210  
 Issue 0-15.09.2005  
 Former No. 3.1.2.PD-HML 712  
 Previous Issue 3-01.99

## Packaging

Product Designation	Packaging according to transport regulations		Material Number
	Packaging	Packaging unit	
Molybdenum Carbide Mo <sub>2</sub> C 160	25 kg in a specially coated 15 l steel drum with a polyethylene bag	200 kg in 8 drums on CP 1 pallet.	01000348 (CPS)
Molybdenum Carbide Mo <sub>2</sub> C 160	50 kg in a specially coated 30 l steel drum with a polyethylene bag	300 kg in 6 drums on CP 5 pallet.	01021981
Molybdenum Carbide Mo <sub>2</sub> C 300	25 kg in a specially coated 15 l steel drum with a polyethylene bag	200 kg in 8 drums on CP 1 pallet.	01000347 (CPS)
Molybdenum Carbide Mo <sub>2</sub> C 300	50 kg in a specially coated 30 l steel drum with a polyethylene bag	300 kg in 6 drums on CP 5 pallet.	01021984

Other kinds of packaging are available on request.

**Storage and Handling** Storage and handling are subject to the rules and regulations in the country of use.

## Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)

None.

## Documentation

An inspection document in accordance with EN 10204 is supplied with every shipment.

## Höganäs Germany GmbH

Im Schleeke 78-91  
 38642 Goslar/Germany

Säckinger Straße 51  
 79725 Laufenburg/Germany

Phone +49 5321 751-53753

<https://www.hoganas.com/en/contact/>

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Höganäs Germany GmbH. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases Höganäs Germany GmbH from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind Höganäs Germany GmbH. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent. In case of order please refer to issue number of the respective product data sheet. All deliveries are based on the latest issue of the product data sheet and the latest version of our General Conditions of Sale and Delivery