

Technical Data Sheet

Chromium Powder

Product ID: 2400PD001 - 2400PD008

Formula: Cr

Molecular weight: 52 g/mol

CAS No.: 7440-47-3

EINECS No.: 231-157-5

Color: Grey

Description: Our chromium powder is available in spherical and non-spherical morphologies, providing high purity, excellent hardness, corrosion resistance, and customizable particle properties to meet diverse application requirements.

Application: Thermal spraying, additive manufacturing, powder metallurgy, hard coatings, advanced ceramic and alloy applications, etc.

Product

Image:



1. Sizes

Product ID	Formula	Particle Size	Morphology
2400PD001	Cr (99.5%)	15-45 µm	Spherical
2400PD002	Cr (99.5%)	20-63 µm	Spherical
2400PD003	Cr (99.9%)	15-45 µm	Spherical
2400PD004	Cr (99.9%)	100-325 µm	Spherical
2400PD005	Cr (99.5%)	-100 Mesh	Irregular
2400PD006	Cr (99.9%)	-325 Mesh	Irregular
2400PD007	Cr (99.95%)	-200 Mesh	Irregular
2400PD008	Cr (99.95%)	-325 Mesh	Irregular
2400PD2N5DZ	Cr (99.5%)	Customized	Spherical / Irregular
2400PD3NDZ	Cr (99.9%)	Customized	Spherical / Irregular
2400PD3N5DZ	Cr (99.95%)	Customized	Irregular

2. Chemical compositions

Element Typical Value Purity	Chemical Compositions (ppm)			
	Fe	Al	Si	V
99.5%	≤ 1600	≤ 1200	≤ 2000	≤ 100
99.9%	≤ 500	≤ 200	≤ 200	≤ 50
99.95%	≤ 100	≤ 50	≤ 50	≤ 50

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottle/Bag.

Double vacuum packed.

Customized packaging.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

Handle with care in a dry environment to avoid contamination and minimize dust generation; appropriate personal protective equipment should be used during operation.

Store in a sealed container in a cool, dry place away from moisture, heat, and incompatible materials to maintain product quality.

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