

# Cr 99.95% 0.7-3.5mm 500g - 0711923-00500G

## Specifications

Coating material	Chromium
Purity	99.95%
Form	Granulate
Dimensions	0.7 - 3.5 mm
Quantity	500 g
Theoretical density at 20°C in g/cm <sup>3</sup>	7.2
Melting point in °C	1907

## Temperature at vapor pressure

10 <sup>-2</sup> mbar in °C	1330
10 <sup>-1</sup> mbar in °C	1470
Boiling point in °C	2672

## Type of evaporation

Sublimation	Good
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## Evaporation source (typically)

### E-gun

Directly from Cu crucible	Possible
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### Boat

Boat material	
W	Good

## Specific evaporation conditions

Low residual pressure	Good
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Low residual pressure	Good
Reactive gas pressure	Good

## Film refractive index n / extinction coefficient k

at 550 nm: n	3.18
at 550 nm: k	4.41
at 10 $\mu\text{m}$ : n	15.3
at 10 $\mu\text{m}$ : k	26.4(8.86 $\mu\text{m}$ )

Application	Adhesion promotion
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