

# Dy

## DYSPROSIUM SPUTTERING TARGET

Dysprosium Sputtering Target 1056 Catalogue

- Dysprosium sputtering target is used for thin film deposition.
- Stainless steels alloyed with dysprosium are used in nuclear control applications.
- Dysprosium is used as a cermet that cools nuclear reactor control rods, whereby it readily absorbs neutrons without contracting or swelling under prolonged neutron bombardment.
- Dysprosium is used as a laser material by combining it with rare-earth metals, including vanadium.
- Dysprosium-cadmium chalcogenides are a source of infrared radiation.

### Quick Facts

Product	:	Dysprosium Sputtering Target
Stock No	:	NS6130-10-1056
CAS	:	7429-91-6
Backing Plate	:	(As per Customer requirement)

### Additional Characteristics

Stock No.	Purity	Diameter	Thickness
NS6130-10-1056	99.99%	50.8 mm $\pm$ 1mm	3 mm $\pm$ 0.5mm

### Technical Specification

Molecular Formula	Molecular Weight	Thermal Conductivity
Dy	162.500g/mol	11W/m.K



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#### INTELLIGENT MATERIALS PVT LTD

Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

#### NANOSHEL UK LIMITED

Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

#### NANOSHEL LLC

3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911

High Purity  
SPUTTERING  
TARGET