

### NS6130-02-204

# LANTHANUM FLUORIDE

### Quick Facts

## Nanoparticles

Product : Lanthanum Fluoride Nanoparticles

 Stock No
 :
 NS6130-02-204

 CAS
 :
 13709-38-1

Molecular Formula : LaF₃ Form : Powder Purity 99.9%

#### **Technical** Specification

Molecular Weight	Density	Melting Point	APS
195.9g/mol	5.9g/cm3	1493 °C	20-60nm

Lanthanum fluoride is sometimes used as the "high-index" component in multilayer optical elements such as ultraviolet dichroic and narrowband mirrors. Fluorides are among the most commonly used compounds for UV optical coatings due to their relative inertness and transparency in the far ultraviolet. Multilayer reflectors and antireflection coatings are typically composed of pairs of transparent materials, one with a low index of refraction, and the other with a high index



## **Application**

- ✓ Fibre optics
- ✓ Electrodes
- ✓ Fluorescent lamps
- ✓ Radiation applications













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