

Technical Data Sheet

Yttrium Fluoride Granules

Product ID:	390900GN001 - 390900GN002		
Formular:	YbF ₃	Molecular weight:	230.04 g/mol
CAS No.:	13760-80-0	EINECS No.:	237-354-2
Color:	White		
Description:	Our ytterbium fluoride granules have a purity of ≥99.99% REO and can be customized in different sizes according to requirements, offering excellent thermal stability and outstanding optical performance.		
Application:	Optical materials, laser crystals, specialty glass, and electronic and photonic applications.		

**Product
Image:**



1. Sizes

Product ID	Formula	Size
390900GN001	YbF ₃ (99.99% YbF ₃ /TREO)	1 - 3 mm
390900GN002	YbF ₃ (99.99% YbF ₃ /TREO)	3 - 6 mm
390900GNDZ	YbF ₃ (99.99% YbF ₃ /TREO)	Customized

2. Chemical compositions

Chemical Compositions					
Main Content		TREO ≥99%, Y ₂ O ₃ /TREO ≥99.99%			
RE Impurities (ppm)					
La ₂ O ₃	Y ₂ O ₃	Gd ₂ O ₃	Tb ₄ O ₇	Dy ₂ O ₃	Er ₂ O ₃
≤ 20	≤ 5	≤ 10	≤ 5	≤ 5	≤ 5
Non-RE Impurities (ppm)					
Fe ₂ O ₃	SiO ₂	CaO			
≤ 100	≤ 150	≤ 120			

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

Bottled/Bag.

Double vacuum packed.

Customized packaging is available.

4. Period of Validity

It is recommended to use this product within 12 months (stored under proper conditions). If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear protective equipment and operate in a well-ventilated area to avoid inhalation of dust.

Store in a tightly sealed container in a cool, dry, and well-ventilated place to prevent moisture absorption.

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