

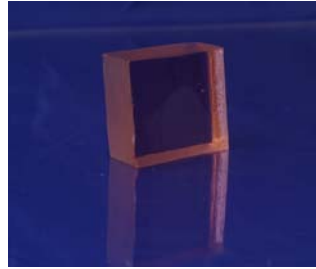
**Laser Crystals**

NLO Crystals

Birefringent Crystals

AO and EO Crystals

Magneto-optical Crystal

**Nd:Glass**
**Introductions**


Nd:Glass is suitable for high power solid-state lasers, the shape and dimension is based on the customers' request.

- The dimension of bar blank is not larger than 300×200mm
- The dimension of Rod blank is not larger than Dia.40×300mm

**Basic Properties**

Items	Specification
Nd	1.5296
Vd	64.6
Transformation Temperature(°C)	485
Softening Temperature(°C)	520
Coefficient of Linear Thermal Expansion (100~300°C) (10 <sup>-7</sup> °C <sup>-1</sup> )	118
Nd <sub>2</sub> O <sub>3</sub> (wt%)	3.0
Nd 3+ Consistency (1020 ons/cm <sup>3</sup> )	3.1
Cross Section for Stimulated Emission (10 <sup>-20</sup> cm <sup>2</sup> )	4.0
Fluorescence Lifetime (μs)	320
Central Wavelength (nm)	1054
Density (g/cm <sup>3</sup> )	2.85
Refractive Index Temperature Coefficient (20°C~40°C) (10 <sup>-6</sup> °C <sup>-1</sup> )	-5.3

Nd:Glass

Crystal

NDG 01