HALBLEITER MATERIAL

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Technical Data Sheet

Yttrium Iron Garnet (YIG) Powder

Product ID: **39260800PD001 / 39260800PD002**

Formular: $Y_3Fe_5O_{12}$ **Molecular weight:** 737.94 g/mol

CAS No.: 12063-56-8 **EINECS No.:** 235-053-0

Color: Dark green

Description: Our yttrium iron garnet (YIG) typically has a purity of ≥99.5%, and is available in various particle sizes upon request. It features excellent magneto-optical properties and good thermal stability.

Application: Microwave and RF devices, magneto-optical devices, magnetic thin film materials, research and development, etc.

Product Image:

1. Sizes

Product ID	Formular	Particle Size
39260800PD001	$Y_3Fe_5O_{12}$ (99.5%)	-100 Mesh
39260800PD002	$Y_3Fe_5O_{12}$ (99.5%)	-325 Mesh
39260800PDDZ	$Y_3Fe_5O_{12}$ (99.5%)	Customized

2. Chemical compositions

	Chemical Composition (ppm)						
Element / Typical Value / Purity	Si	Al	Cu	Mn	Ca	Na	Ni
99.5%	≤ 600	≤ 80	≤ 100	≤ 100	≤ 80	≤ 100	≤ 100

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

Bottle/Bag.
Double vacuum packed.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear protective equipment (such as gloves, goggles, and a dust mask) to avoid inhalation of dust or skin contact.

Store in a tightly sealed container in a cool, dry place, away from moisture and strong acids or bases.

Contact Us

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