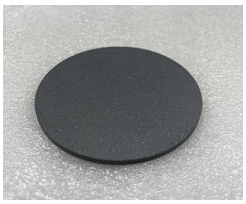
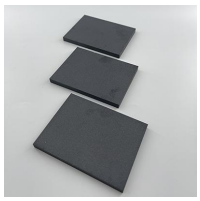
HALBLEITER MATERIAL

Email: info@vimaterial.de

Tel: 0049 1626484175

Technical Data Sheet

Silicon Carbide Sputtering Target

Product ID:	**140600ST001 - 140600ST008**		
Formular:	SiC	**Molecular weight:**	40.1 g/mol
CAS No.:	409-21-2	**EINECS No.:**	206-991-8
Color:	Black		
Description:	Our silicon carbide targets have a purity of 99.5%, can be customized in various sizes, and offer high hardness, excellent corrosion resistance, superior thermal conductivity, and stable high-purity film deposition performance.		
Application:	Semiconductor devices, thin-film deposition, optoelectronic components, and advanced electronic materials.		
Product Image:	 		

1. Sizes

Product ID	Formular	Size
140600ST001	SiC (99.5%)	299.6mm x 129mm x 5mm
140600ST002	SiC (99.5%)	Ø 25.4mm x 3.175 mm
140600ST003	SiC (99.5%)	Ø 25.4mm x 6.35 mm
140600ST004	SiC (99.5%)	Ø 50.8mm x 3.175 mm
140600ST005	SiC (99.5%)	Ø 50.8mm x 6.35 mm
140600ST006	SiC (99.5%)	Ø 76.2mm x 3.175mm
140600ST007	SiC (99.5%)	Ø 76.2mm x 6.35mm
140600ST008	SiC (99.5%)	Ø 101.6mm x 3.175 mm
140600STDZ	SiC (99.5%)	Customized

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2. Chemical compositions

	Metal impurities (ppm)						
Element / Typical Value / Purity	Nb	Fe	Al	Mg	Na	Ni	Cu
99.5%	≤ 200	≤ 800	≤ 500	≤ 200	≤ 300	≤ 300	≤ 300

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

Carton/wooden box outer bag.
Double vacuum inner bag.
Customizable packaging is available upon request.

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 dry, clean, well-ventilated environment while avoiding mechanical impact and contamination.

Store in a sealed container in a cool, dry place, protected from moisture and surface contamination.

Contact Us

Website:www.vimaterial.de
Email: info@vimaterial.de
Tel: 0049 1626484175
Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.