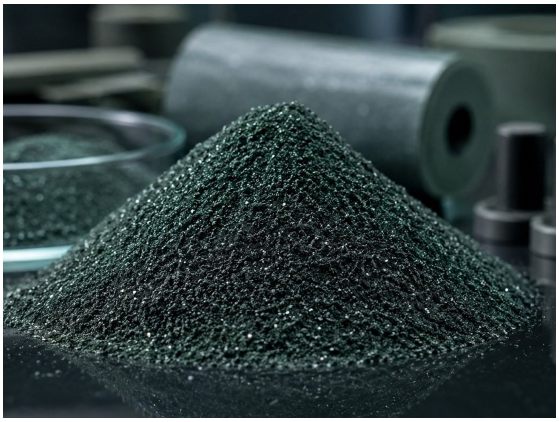
GHT

ENGLISH PRODUCT GUIDE / OCTOBER 2026

SiC / Silicon Carbide

Powders, granules and sintered components

GHT helps you select SiC raw materials for abrasives, refractories and coatings, and discusses sintered components based on your drawings and operating conditions.



Product illustration. Confirm the actual supply specification with GHT.

Supply format	Products and applications
Powders and fine powders	Green SiC and Black SiC for precision polishing, grinding, coatings, composites and sintering feedstock.
Grain / grit	For grinding wheels, abrasive paper, cutting tools, blasting and refractory raw materials. Discuss the required grading and quality criteria.
Granules	Granulated feedstock for forming processes. We review the forming method and sintering conditions to confirm a suitable specification.
Sintered products	Seals, bushings, nozzles, liners, tubes, rollers, beams and kiln furniture. Discuss the required shape and operating environment with GHT.

Selecting a powder

Green SiC can be considered for precision processing and sintering. Black SiC can be considered for abrasives, refractories and composites. Selection also depends on particle-size distribution, impurities, dispersion, forming behaviour and quantity.

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Sintered products and specification review

Share the component shape and operating environment. GHT will review the material, sintering route and machining requirements before confirming supply specifications.

Sintering route	Typical components for review
Pressureless-sintered SiC	Mechanical seals, shaft sleeves, bushings, heat-exchanger tubes and heating plates for precision applications requiring wear or corrosion resistance.
Reaction-bonded SiC	Rollers, beams, burner nozzles, desulphurisation nozzles, radiant tubes and shelves for high-temperature equipment and wear parts.
Recrystallised SiC	Kiln furniture, hollow beams and shaped parts. Selection depends on component geometry, loading and high-temperature operating conditions.

For raw-material enquiries

Provide the application, workpiece, required particle-size designation, purity and impurity requirements, resin or binder system, evaluation criteria, quantity and packaging requirements.

For finished-component enquiries

Provide a drawing or sample, dimensions and tolerances, surface finish, temperature and atmosphere, contacting liquids or gases, wear and loading conditions, and quantity.

Quality and delivery

We confirm the material, manufacturing scope, inspection requirements, supporting documents and lead time for the requested specification. Application examples are selection guidance; suitability is assessed against your actual conditions.

Product page: www.geonheetts.com/en/materials/silicon-carbide