

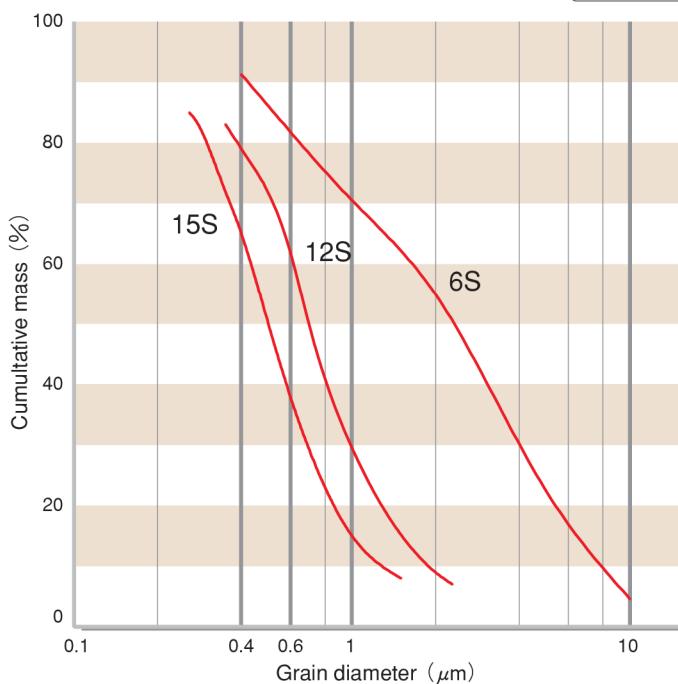
# Ultrafine Green SiC (GMF)

## Chemical Composition, Physical Properties, Applications, and Grain Sizes

Product name		Standard S-type GMF		High-purity H-type GMF			
Item		6S	12S	12H	15H	5C	15H2
Chemical Composition (%)	SiC	97.5	93.2	98.4	98.0	98.2	98.6
	F.C	0.34	0.81	0.68	0.75	0.40	0.69
	T.Fe	0.25	0.39	—	—	—	—
	F.SiO <sub>2</sub>	1.0	3.06	0.21	0.38	0.9	0.14
	Fe (ppm)	—	—	50	50	440	5
Characteristics	Specific surface (m <sup>2</sup> /g)	6	12	12	15	5.5	15
	D50 (μm)	2.3	0.7	0.7	0.5	2.4	0.5
Applications		<ul style="list-style-type: none"> <li>● Sintering materials</li> <li>● Heating elements</li> </ul>		<ul style="list-style-type: none"> <li>● Refractory bonding materials</li> </ul>			
Grain sizes available		5S 6S 7S 12S 15S	8H 12H 15H	5C	60FH2 12H2 5H2 15H2		

Please ask us about details. We will respond to also particular grain size and characteristic.

### Grain Distribution



### Characteristics

Ultrafine Green silicon carbide GMF consist of submicron particles with very few rough particles. This makes them suitable for use in sintering silicon carbides developed for fine ceramic applications, as well as for special applications such as kiln furniture, heating elements and fillers.

## Pacific Rundum Co., Ltd. Abrasive Materials Division



### Tokyo office

6F, Kyoritsu Bldg., 3-10-2 Kandajinbo-cho,  
Chiyoda-ku, Tokyo 101-0051, JAPAN  
TEL: +81-3-3511-9911  
FAX: +81-3-3511-9914  
E-Mail:abr-department@rundum.co.jp

### Head Office

1 Iwaseakada-machi, Toyama-shi, Toyama 931-8555, JAPAN  
TEL: +81-76-438-1211  
FAX: +81-76-438-8667