

## Green silicon carbide grains for technical applications

Chemically treated, high purity green silicon carbide in macro and micro grains, produced to comply with FEPA standard and particularly suitable for reaction bonded (SiSiC) technical ceramics.

**Packaging** 1.000 kg or 25 kg paper bags.

## Typical chemistry

	SiC	Free-C	Free-SiO <sub>2</sub>	Free-Si	Fe <sub>2</sub> O <sub>3</sub>	MI
<b>SIKA® TECH I macro</b>	99.60%	0.15%	0.15%	0.10%		0.01%
<b>SIKA® TECH I micro</b>	99.60%	0.15%	0.10%	0.10%	0.1%	

## Grit sizes and shapes

Macro grits			Micro grits		
Grit no.	Mean-Ø mm	LPD g/cm <sup>3</sup>	Grit no.	Mean-Ø µm	LPD g/cm <sup>3</sup>
<b>F 24</b>	0.750	1.47 - 1.57	<b>F 230</b>	53.0	1.20 - 1.32
<b>F 30</b>	0.630	1.48 - 1.58	<b>F 240</b>	44.5	1.18 - 1.30
<b>F 36</b>	0.530	1.47 - 1.57	<b>F 280</b>	36.5	1.13 - 1.29
<b>F 40</b>	0.450	1.49 - 1.59	<b>F 320</b>	29.2	1.05 - 1.21
<b>F 46</b>	0.390	1.46 - 1.56	<b>F 360</b>	22.8	1.02 - 1.18
<b>F 54</b>	0.320	1.46 - 1.56	<b>F 400</b>	17.3	0.91 - 1.13
<b>F 60</b>	0.270	1.46 - 1.56	<b>F 500</b>	12.8	0.85 - 1.07
<b>F 70</b>	0.220	1.44 - 1.54	<b>F 600</b>	9.3	0.77 - 0.99
<b>F 80</b>	0.190	1.42 - 1.52	<b>F 800</b>	6.5	0.68 - 0.90
<b>F 90</b>	0.155	1.42 - 1.52	<b>F 1000</b>	4.5	NA
<b>F 100</b>	0.130	1.48 - 1.58	<b>F 1200</b>	3.0	NA
<b>F 120</b>	0.110	1.40 - 1.50	<b>F 1500</b>	2.0	NA
<b>F 150</b>	0.090	1.36 - 1.48	<b>F 2000</b>	1.2	NA
<b>F 180</b>	0.075	1.33 - 1.45			
<b>F 220</b>	0.063	1.28 - 1.40			

## Analytical procedures:

Particle Size distribution is measured according to FEPA Standard 42-1 for Macro-, and 42-2 for Micro-grains  
 LPD = Loose Pack Density is measured according to FEPA Standard 44-1 for Macro-, and 44-2 for Micro-grains  
 Magnetic Iron (MI) measured according ANSI B74.19  
 Chemistry according ANSI B74.15

The information contained in this Product Information Document is the sole property of Kymera International, and cannot be distributed outside Kymera International or its Customers, entirely or by parts, without the prior consent of Kymera International. The Product Information Documents display typical characteristics for Kymera International's products as currently produced in Kymera International's various manufacturing locations. These typical characteristics do not constitute a precise Customer Specification, which has to be elaborated separately between the Customer and Kymera International in the frame of a commercial offer. Only with this precise Customer Specification can Kymera International be bound to any commitment or liability regarding the quality of its products.