

## PCC BakkiSilicon

<b>CHEMICAL NAME</b>	Silicon Metal
<b>CAS NUMBER</b>	7440-21-2
<b>EINECS</b>	231-130-8
<b>FUNCTION</b>	Silicon metal is used, among other things, as an aluminium alloyant; it is also employed in the chemicals industry for the manufacture of siloxanes and silicones.

### TECHNICAL REQUIREMENTS

Silicon Metal	Si (min)	Fe (max)	Al (max)	Ca (max)
<b>PCC BakkiSilicon 97</b>	97,00%	1,80%		
<b>PCC BakkiSilicon 553</b>	98,50%	0,50%	0,50%	0,30%
<b>PCC BakkiSilicon 441</b>	99,00%	0,40%	0,40%	0,10%
<b>PCC BakkiSilicon 3303</b>	99,00%	0,30%	0,30%	0,03%
<b>PCC BakkiSilicon 2510</b>	99,00%	0,25%		0,10%
<b>PCC BakkiSilicon 2202</b>	99,00%	0,20%	0,20%	0,02%

Size distribution, other elemental composition and trace elements by agreement.

### GENERAL DATA

<b>Purity (weight %)</b>	> 98.5 %
<b>Structure:</b>	Crystalline
<b>Form:</b>	Lump material
<b>Colour:</b>	Silvery material
<b>Odour:</b>	Odourless
<b>Melting Point (°C):</b>	Approx. 1410
<b>Boiling Point (°C):</b>	Approx. 2355
<b>Solubility (Water):</b>	Insoluble/slightly soluble
<b>Specific Gravity (water =1):</b>	Approx. 2.3

**Size:** 0 – 3/5 mm, 0 – 8 mm, 5 – 30 mm, 8 – 100 mm, 30 – 100 mm, other sizing on request

**Packing:** Big Bags with/ without pallets, bulk into container/ bulk vessel

Specific customer requirements and other sizing

### APPLICATIONS

Aluminium alloys silicones, refractory materials, solar panels and semiconductors.