

# Product Data Sheet

## SILLOY® 130 / 170 by Elkem

### 1. Description

SILLOY® is refined Silicon with Iron content of 1,3% or 1,7% and very low Calcium and Phosphor levels. Production of SILLOY® is based on high volume targeted production, ensuring a stable and homogenous product.

### 2. Application

SILLOY® is highly versatile may be used as alloying material to aluminium metal for most high-pressure die-casting alloys, for several 2xxx and 4xxx and most AA 6xxx alloys. SILLOY® is also used in several other industrial applications.

### 3. Chemical analysis

See table below for chemical specifications.

### 4. Sizes

SILLOY® can be delivered in sizing 10-100 mm, 10-50 mm or 6-35mm. Other sizes available on request.

### 5. Packing

SILLOY® can be delivered in bulk or in big bags. Sizing 10- 50 mm can be packed in 25 kg paper bags.

### 6. Local Elkem representative

For further information or assistance in product applications, please contact our local representative or send an Email to [SiLLOY@elkem.com](mailto:SiLLOY@elkem.com)

### 7. Health, Safety and Environment

Not classified as hazardous material in accordance with GHS and CLP. Please refer to the corresponding Elkem Product Safety Information No. 302 for further details.

### SILLOY® 130

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti ppmw	P ppmw
Max		1.5	0.50	0.05	900	50
Min	98.0	1.0	0	0	500	0
<b>Target</b>	<b>98.2</b>	<b>1.3</b>	<b>0.25</b>	<b>0.015</b>	<b>700</b>	<b>30</b>

### SILLOY® 170

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti ppmw	P ppmw
Max		2.0	0.50	0.05	900	50
Min	97.0	1.5	0	0	500	0
<b>Target</b>	<b>97.7</b>	<b>1.7</b>	<b>0.25</b>	<b>0.015</b>	<b>700</b>	<b>30</b>

Stable analyses due to high volume production lots.

With suitable production volume, other specifications can be agreed. Please contact us.

Fe, Al, Ca, Ti and P measured by XRF (X-ray fluorescence)

\*Si wt% = 100 wt% - Fe wt% - Al wt% - Ca wt% - Ti wt% - 0.1 wt%

The 0.1 wt% is subtracted as a lump sum of metallic elements in silicon not separately subtracted

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