

Elkem's Silicon Grades for the Aluminium Industry

| Product | Si wt% | Fe wt% | Ca wt% | Ti ppm | P ppm |
|--------------------------|--------------------------|---------------------------------------|---|-----------------------------------|--------------------------------|
| Si 30 015: | Min 99,0 | Max 0,30 | Max 0,015 | Typical 200-300 | Typical 10-20 |
| Si 30 03: | Min 99,0 | Max 0,30 | Max 0,03 | Typical 200-300 | Typical 10-20 |
| Si 35 015: | Min 99,0 | Max 0,35 | Max 0,015 | Typical 200-300 | Typical 10-20 |
| Si 40 03: | Min 99,0 | Max 0,40 | Max 0,03 | Typical 200-300 | Typical 10-20 |
| Si 40 10: | Min 99,0 | Max 0,40 | Max 0,10 | Typical 200-300 | Typical 10-20 |
| Si 50 03: | Min 99,0 | Max 0,50 | Max 0,03 | Typical 200-300 | Typical 10-20 |
| Si 50 10: | Min 99,0 | Max 0,50 | Max 0,10 | Typical 200-300 | Typical 10-20 |
| Si 100 10: | Min 98,5 | Max 0,80 | Max 0,10 | Typical 200-300 | Typical 10-25 |
| Silgrain® coarse: | | Max 0,20 Min 0,08 Typical 0,11 | Max 0,050 Min 0,013 Typical 0,023 | Max 200 Min 80 Typical 120 | Max 35 Min 25 Typical 30 |
| Silgrain® fine: | | Max 0,35 Min 0,15 Typical 0,21 | Max 0,050 Min 0,020 Typical 0,033 | Max 350 Min 150 Typical 230 | Max 35 Min 25 Typical 30 |
| Silgrain® HQ: | | Max 0,05 Min 0,02 Typical 0,035 | Max 0,02 Min 0,005 Typical 0,01 | Max 50 Min 10 Typical 20 | Max 35 Min 25 Typical 30 |
| Silicon 97: | Min 97,0 Typical 97,5 | Max 2,0 Min 1,5 Typical 1,7 | Max 0,05 Typical 0,02 | Max 1000 Typical 800 | Max 55 Typical 40 |

Sizing:

Standard sizing for Si 30015, Si 3003, Si 35015, Si 4003, Si 4010, Si 5003, Si 5010 and Silicon 97 is 10-100 mm. Other sizing on request.

Silgrain coarse and Silgrain HQ: 0,2 – 0,8 mm

Silgrain fine: 0 - 425 micron

Silgrain® is registered trademark of Elkem AS.