SILICA SANDS **PK**

**PK025**

1. GRANULOMETRY **ASTM**

| № | SIEVE LIGHT OPENING, mm | GRANULOMETRY **ASTM**, BY GRADES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | **0.10** | **0.16** | **0.25** | **0.315** | **0.40** | **0.63** | **0.8** | **1.00** |
| | | | | | | | | | |
| 1 | > 1.000 | 0.18 | 0.00 | 0.03 | 0.01 | 0.04 | 5.40 | 38.50 | 46.80 |
| 2 | 0.850 | 0.15 | 0.02 | 0.25 | 0.03 | 0.23 | 21.74 | 25.30 | 29.66 |
| 3 | 0.600 | 0.24 | 0.04 | 1.45 | 0.46 | 20.18 | 44.23 | 20.10 | 11.29 |
| 4 | 0.425 | 0.61 | 2.00 | 9.67 | 31.41 | 65.41 | 24.50 | 13.90 | 5.9 |
| 5 | 0.300 | 0.60 | 8.08 | 16.95 | 41.98 | 10.15 | 1.87 | 1.60 | 2.25 |
| 6 | 0.212 | 1.32 | 19.95 | 23.75 | 20.79 | 2.93 | 1.52 | 0.60 | 4.10 |
| 7 | 0.150 | 25.25 | 58.10 | 43.88 | 5.28 | 1.04 | 0.69 | 0.00 | 0.00 |
| 8 | 0.106 | 54.17 | 11.15 | 3.63 | 0.04 | 0.02 | 0.05 | 0.00 | 0.00 |
| 9 | 0.075 | 14.88 | 0.65 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | < 0.075 | 2.60 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| | $D_{50}$ mm | 0.063 – 0.10 | 0.10 – 0.16 | 0.16 – 0.25 | 0.25 – 0.315 | 0.315 – 0.40 | 0.40 – 0.63 | 0.63 – 0.80 | 0.80 – 1.1 |
| | AFS | 100.86 | 66.58 | 56.82 | 40.45 | 29.98 | 22.15 | 13.68 | 12.32 |
| | $H_2O$ % | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | $SiO_2$ % | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 |
| | $MgO+K_2O+CaO+Na_2O$ | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 |
| | | | | | | | | | |

2. GRANULOMETRY **DIN**

| № | SIEVE LIGHT OPENING, mm | GRANULOMETRY **DIN**, BY GRADES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 0.10 | 0.16 | 0.25 | 0.315 | 0.40 | 0.63 | 0.8 | 1.00 |
| | | | | | | | | | |
| 1 | > 1.600 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.10 | 2.75 |
| 2 | 1.000 | 0.18 | 0.00 | 0.03 | 0.01 | 0.04 | 5.34 | 38.40 | 44.05 |
| 3 | 0.800 | 0.15 | 0.02 | 0.25 | 0.03 | 0.23 | 21.74 | 25.30 | 29.66 |
| 4 | 0.630 | 0.24 | 0.04 | 1.45 | 0.46 | 20.18 | 44.23 | 20.10 | 11.29 |
| 6 | 0.400 | 0.61 | 2.00 | 9.67 | 31.41 | 65.41 | 24.50 | 13.90 | 5.90 |
| 7 | 0.315 | 0.60 | 8.08 | 16.95 | 41.98 | 10.15 | 1.87 | 1.60 | 2.25 |
| 8 | 0.250 | 1.32 | 19.95 | 23.75 | 20.79 | 2.93 | 1.52 | 0.40 | 4.10 |
| 9 | 0.160 | 18.51 | 53.54 | 41.33 | 5.25 | 1.02 | 0.67 | 0.20 | 0.00 |
| 10 | 0.100 | 60.91 | 15.71 | 6.18 | 0.07 | 0.04 | 0.07 | 0.00 | 0.00 |
| 11 | 0.063 | 14.88 | 0.65 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | < 0.063 | 1.60 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| | $D_{50}$ mm | 0.063 – 0.10 | 0.10 – 0.16 | 0.16 – 0.25 | 0.25 – 0.315 | 0.315 – 0.40 | 0.40 – 0.63 | 0.63 – 0.80 | 0.80 – 1.1 |
| | $H_2O$ % | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | $SiO_2$ % | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 | 98.5 – 99.2 |
| | $MgO+K_2O+CaO+Na_2O$ | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 | Max 1.0 |
| | | | | | | | | | |