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## Typical Product Specifications & Properties

# Silicon, Polycrystalline

CAS Number: : 7440-21-3

| Specifications      | Limits                                                                                                                                                                     |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular weight    | 28.09                                                                                                                                                                      |
| EINECS              | 231-130-8                                                                                                                                                                  |
| SMILES              | [SiH4]                                                                                                                                                                     |
| InChI               | 1S/Si                                                                                                                                                                      |
| InChIKey            | XUIMIQQOPSSXEZ-UHFFFAOYSA-N                                                                                                                                                |
| Water solubility    | INSOLUBLE                                                                                                                                                                  |
| Sensitive           | Air Sensitive                                                                                                                                                              |
| Stability           | Stable. Fine powder is highly flammable. Incompatible with oxidizing agents, bases, carbonates, alkali metals, lead and aluminium oxides, halogens, carbides, formic acid. |
| Form                | powder                                                                                                                                                                     |
| Density             | 2.33 g/mL at 25 &deg;C                                                                                                                                                     |
| Storage Temperature | Flammables area                                                                                                                                                            |
| Merck               | 13,8565                                                                                                                                                                    |



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| Specifications | Limits      |
|----------------|-------------|
| Melting Point  | 1410 &deg;C |
| Color          | White       |
| Boiling Point  | 2355 &deg;C |



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