

Russian Quartz

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RQ-3K High Purity Quartz

RQ-3K is manufactured from unique Quartz deposit in Kyshtym, Russia.

Kyshtym quartz has the highest chemical purity and good transparency, and for more than 50 years been successfully used as raw material for quartz tubes of various diameter, ingots and crucibles for photovoltaic and semi-conductor industries.

RQ-3K is particularly suited as a low-cost raw material for the outer layer of crucibles for photovoltaic industry and for small and medium diameter quartz tubes.

Chemical content, ppm

| | Al | Ca | Fe | K | Li | Mg | Na | Ti |
|---------------|----|----|-----|---|-----|-----|-----|----|
| Specification | 8 | 1 | 0.9 | 1 | 0.4 | 0.5 | 1.8 | 3 |

Particle size distribution

| Mesh size | Micron (μm) | Limit (wt %) |
|-----------|--------------------------|--------------|
| >50 | > 300 | ≤ 1 |
| 140 - 50 | 100-300 | ≥ 94 |
| <140 | < 100 | ≤ 5 |

* The quality assurance period for the product is 12 months from the date of delivery to the consumer. The product must be stored in undamaged Manufacturer's package in a clean, well-ventilated premise, protected from the ultraviolet radiation, with a relative air humidity of less than 75%.

