

Polysilicon

We utilize a closed-loop modified Siemens process to produce high quality polysilicon. We have implemented a quality management system to ensure the quality of our products. We are currently applied for successfully combined the strong industry know-how with our in-house expertise, and several patents based on our innovation.

Overview

Medium to large blocks of solar-grade polysilicon are produced using our chemical vapor deposition process reactors. To avoid surface contamination we fragment and package our Polysilicon crystals in our clean room.

Product Details

Parameters	Premium Grade	High Grade	Standard Grade	Test Method
N-Type, Resistivity ($\Omega \cdot \text{cm}$)	≥ 100	≥ 40	≥ 20	4-Pts
Phosphorus Content (ppba)	≤ 1.5	≤ 3.76	≤ 7.74	LT-FTIR
P-Type, Resistivity ($\Omega \cdot \text{cm}$)	≥ 500	≥ 200	≥ 100	Hot Probe Method
Boron Content (ppba)	≤ 0.5	≤ 1.3	≤ 2.7	LT-FTIR
Surface Metal Content (ppbw)	< 10	< 50	< 500	ICP-MS

Product Dimensions

Details	Unit	Minimum Size	Maximum Size
85% polysilicon crystal block size within 25-200	mm	> 3	< 200

Quality Guarantee

We implement stringent quality controls to ensure each batch of product are tested within the above parameters.

Product Packaging

Methodology	Unit	Bag Content	Box Content	Notes
Double layer polyethylene bag in outer bag packaging	kg	5	20	Lot & weight label