

LAARMANN[®]

Innovators in Solids

POLISILICON APPLICATION



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Test 1) Evaluation of particle size distribution

1) Sample Material: Polysilicon



Picture 1) Original sample Polysilicon (Feed Size of up to 120mm)



Picture 2) Weight of 341 gram chunk

Grinding parameters:

Grinding system: Jaw Crusher Type LMC200

Accessories: Jaw Plates and side liner made of steel

Sample material: Polysilicon

Product feed size: Pieces of up to 120mm

Grinding time: 3 seconds Step 1: The Jaw Crusher is adjusted to the required size



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Sieve size	Weight (gram)
Collector bottom	5,32
>1.00	2 Nm
>2.00	12,17
>4.00	37,14
>8.00	77,43
>15.00	204,36
Total	340,87

Test 2) Evaluation of capacity (throughput using the LMC200)



10 kgs of product before



10 kgs after grinding

2) Grinding parameters:

Grinding system: Jaw Crusher Type LMC200

Accessories: Jaw Plates and side liner made of steel

Sample material: **Polysilicon**

Product feed size: Pieces of **up to 120mm / Total 10 kgs**

Grinding time: 43 seconds Step 1: The Jaw Crusher is adjusted to the required size

Recommendation

In order to grind the above mentioned sample materials we recommend the use of the LMC200 Jaw Crusher under the above mentioned grinding conditions.