



赛芳科技

Safefound technology

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SOLAR-PROJECT BRANCH

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## Multi Solar Wafer Specification 156 X 156

### 1. Scope

The Wafer is a square multicrystalline silicon p-type substrate for solar cell applied;  
From Metallization solar grade silicon.

### 2. Wafer Specification

#### 2-1 Properties

Item	Specification	Unit
Conductive Type, Dopant	P-Type, Boron	N/A(*5)
Resistivity	I: 0.1~3	Ohm-cm(*4)
Brick lifetime	≥ 1.5	μ s

#### 2-2 Physical Dimensions

Item	Specification	Unit
Dimension	156±0.5 X 156±0.5	mm
Bevel edge length	0.5 - 2	mm(*1)
Right Angel	90 ± 0.3	Degree
Thickness	220 ± 30	μ m(*2)
TTV	≤30	μ m

#### 2-3 Appearance

Item	Specification	Unit
Chip	The Chip length must less than 3 mm or depth must less than 0.5mm	mm
Saw mark	≤20	μ m
Micro-grain	1cm less than 10 grain, and the area smaller than 2 X 2 cm <sup>2</sup>	Cm/cm <sup>2</sup>
Cracks	None allowed	N/A
Pin holes	None allowed	N/A
Contamination	No chemical or organic residue, staining , or extraneous material permitted on wafer surface	N/A

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