Silica Sand

ICM Technology

ICMTECHGLOBAL.COM

Silica Sand - Glass

Our silica, processed to the highest quality standards, is well-suited for diverse glass manufacturing applications. Noteworthy for its uniform grain size, excellent compaction properties, and durability.

Glass Grade Silica Sand – 120ppm

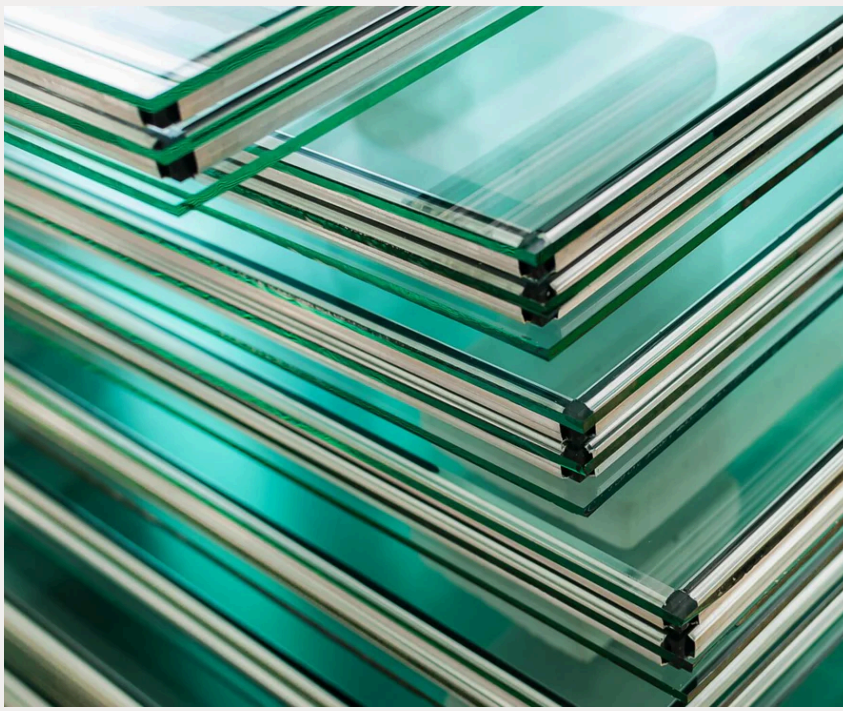
SPECIFICATIONS

Sieve Analysis				
Micron	**ASTM**	**Unit**	**Retention**	**Specification**
600	25	%		1% Max
300	30			95% Min
150	50			
106	140			
PAN				5% Max
Total			0.00%	

Chemical Analysis		
Parameters	**Unit**	**Specification**
SiO_2	%	99±0.2%
Al_2O_3		<0.4% Max
Fe_2O_3		0.012±0.002%
TiO_2		0.4% Max
LOI		0.5% Max

Float Glass Silica

Premium silica sand for float glass ensures excellent transparency and brilliance due to its high silica content, low impurities, and fine particle distribution, leading to crystal-clear glass for various uses.



Glass Grade Silica Sand – 140-160ppm

SPECIFICATIONS

Sieve Analysis				
Micron	**ASTM**	**Unit**	**Retention**	**Specification**
600	30	%	0.29	0.5% Max
300	50		57.37	98.5% Min
150	100		40.33	
106	140		1.48	
PAN			0.41	1% Max
Total			99.88	

Chemical Analysis		
Parameters	**Unit**	**Specification**
SiO_2	%	+99%
Al_2O_3		<0.4%
Fe_2O_3		0.014±0.016%
TiO_2		0.054%
CaO		0.033%
MgO		0.004%
LOI		0.290%

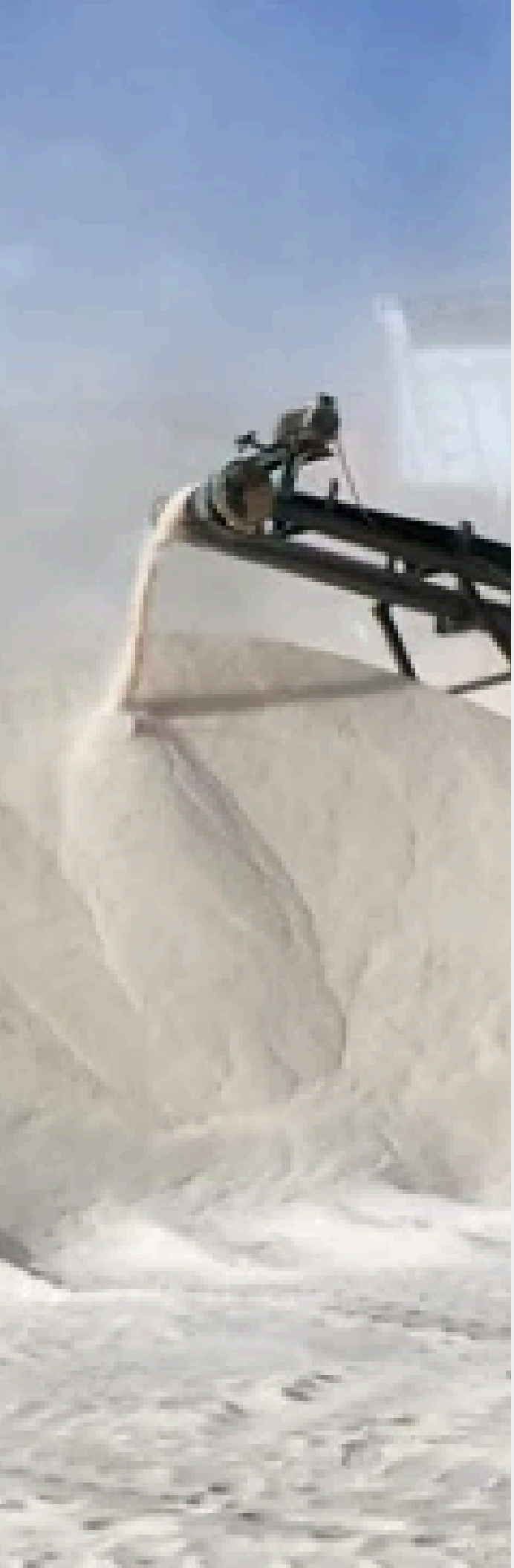
Solar Grade Silica

Premium Silica sand for solar panels has over 99.5% silica, which boosts light transmission and solar conversion efficiency. Its low impurities and controlled particle size improve the performance and longevity of photovoltaic systems.

Mourilyan Low Iron Sand

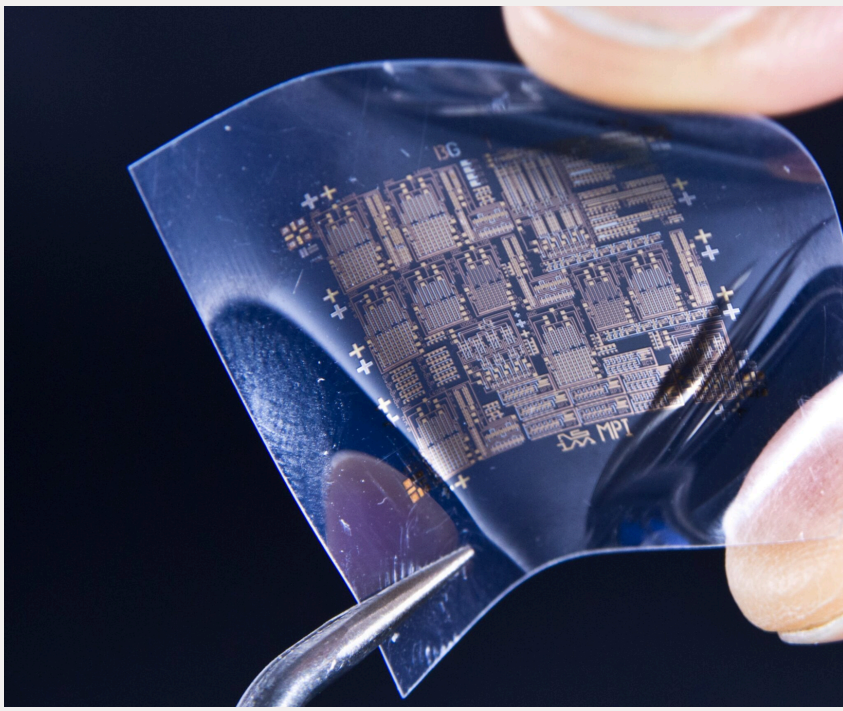
TECHNICAL DATA SHEET

Product	**Mourilyan Low Iron Silica Sand (T3 Spec)**
Sizing	150 - 600µm
Production Capacity	Up to 300,000 tonnes per annum
SiO_2	>99.9%
Fe_2O_3	<0.008%
Al_2O_3	<0.035%
TiO_2	<0.02%
Cr_2O_3	<5ppm
Na_2O	<20ppm
K_2O	<30ppm
MgO	<10ppm
CaO	<20ppm
MnO	<2ppm
LOI_{1000}	<0.05%
Moisture	5%
Packaging	Bulk cargo via Port of Mourilyan



Thin Film Transistor

TFT Grade for Thin-Film Transistor & Liquid Crystal Displays requires a high silica content (typically >99.5% SiO_2) and very low levels of impurities, to prevent defects in the final glass, ensuring high-quality displays.



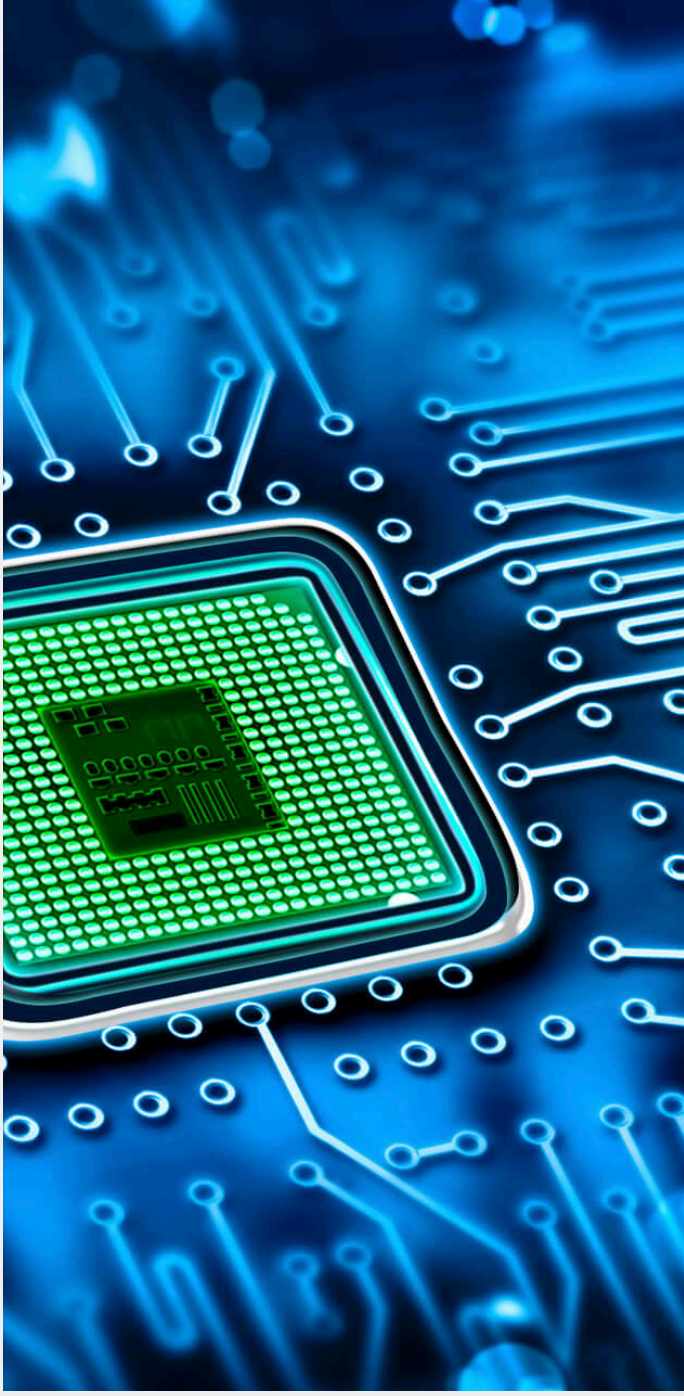
Mourilyan TFT Flour – No Grind No Leach

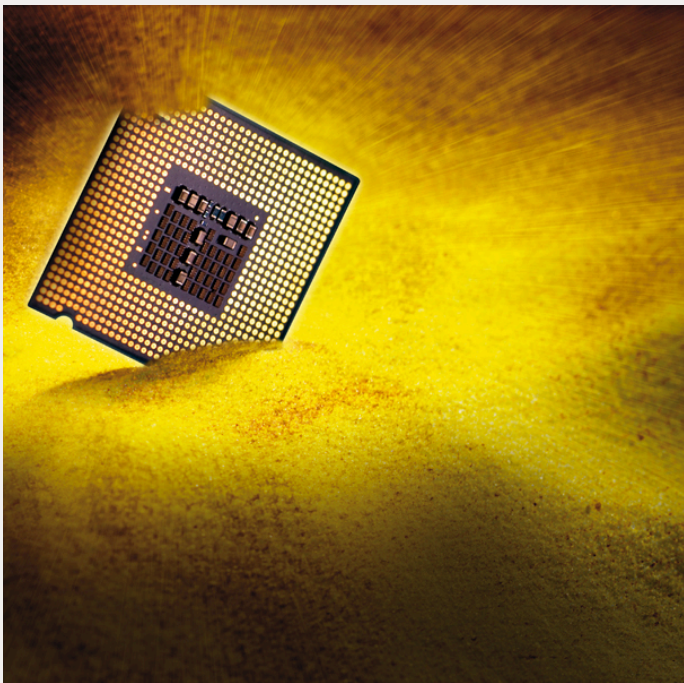
TECHNICAL DATA SHEET

Product	**TFT Flour, No Grind No Leach**
Sizing	75 – 150µm
Production Capacity	Over 100,000 tonnes per annum
SiO_2	>99.9%
Fe_2O_3	<0.015%
Al_2O_3	<0.09%
TiO_2	<0.03%
Cr_2O_3	<20ppm
Na_2O	<80ppm
K_2O	<80ppm
MgO	<25ppm
CaO	<35ppm
MnO	<5ppm
LOI_{1000}	<0.05%
Moisture	Dry
Packaging	1 or 2 tonne bulk bags (in containers at buyer's expense)
This flour has been produced from the in-situ resource and has not been through any fine grinding / milling.	

High-Purity Quartz

High-purity Quartz sand is a critical raw material for semiconductors, where it is refined to produce ultra-pure silicon for electronic-grade wafers.





Mourilyan High-Purity Quartz Sand

TECHNICAL DATA SHEET

Product	**High-Purity Quartz Sand (99.99%)**
Sizing	75 - 300µm
Production Capacity	Up to 20,000 tonnes per annum
SiO_2	>99.99%
Fe	<6ppm
Al	<20ppm
TiO_2	<20ppm
Cr	<1ppm
Li	<2ppm
Na	<15ppm
K	<8ppm
Mg	<1ppm
Ca	<1ppm
Moisture	Dry
Packaging	200kg plastic-lined hard paper barrels

Thank you!

We exclusively source high-quality silica sand for float glass production from the rich deposits found in Australia, India, and Malaysia, thereby establishing a robust and diverse supply chain that extends across multiple continents.

This strategic approach not only ensures a steady and reliable supply of essential materials but also guarantees adherence to the stringent standards required for various industrial applications.

By selecting these specific regions, we leverage their unique geological advantages and expertise, which contribute significantly to maintaining the quality and consistency needed for our products to meet global demands.

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Bangkok, China, Europe, India, Indonesia, Malaysia

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