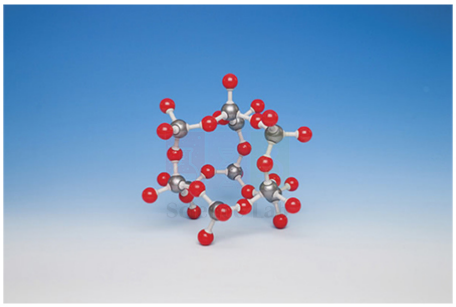
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Product Name :

Molecular Model, Pre-assembled, Quartz

Product Code :

SLE/Mo/42



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Description :

Molecular Model, Pre-assembled, Quartz (Product Code: SLE/Mo/42) is a ready-built structure model used to show the silicon–oxygen network of quartz (silicon dioxide, SiO2) in chemistry, geology and materials lessons. Its carefully designed joining pieces keep the network firmly together, so it holds up when handled by a whole class. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and school laboratory equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Structure modelled	Quartz (silicon dioxide, SiO2)
Format	Pre-assembled model
Production	Precision-engineered moulds and materials
Joining pieces	Carefully designed so the model does not fall apart when handled in class
Storage	Durable storage case with compartments that keep parts segregated
Product code	SLE/Mo/42
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Quartz Structure Model Used For?

Quartz is a giant covalent structure. Every silicon atom is bonded to four oxygen atoms, and every oxygen atom bridges two silicon atoms, so linked tetrahedra extend throughout the crystal. The model helps students explain why quartz and sand are hard, melt only at very high temperatures and do not dissolve in water, and why the formula SiO2 describes a ratio rather than a separate molecule.

It pairs naturally with a diamond model, because both are covalent networks built from tetrahedral units, and with a calcite model to contrast a covalent mineral with an ionic one. Geography and earth-science teachers can bring it into lessons on rock-forming minerals, and physics teachers can use it when introducing glass and other silica-based materials.

OEM Manufacturer

The Quartz structure model is manufactured by ScienceLab, the trading name of Jain Scientific Equipments Private Limited. The company is the OEM and produces the model at its own licensed factory at Saha, Ambala, Haryana, India. Selling factory-direct means buyers receive a quotation from the maker rather than a reseller, and can return to the same source for repeat orders or spare parts. Visit the ScienceLab company profile to learn more.

Related Molecular Models

Thes

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