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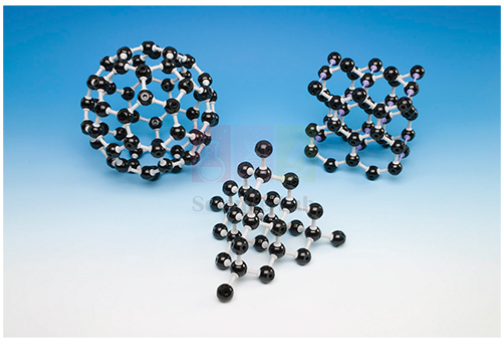
Product Name :

Molecular Model, Diamond

Product Code :

SLE/Mo/36



Description :

Molecular Model, Diamond (Product Code: SLE/Mo/36) is a self-assembly kit used to build the three-dimensional carbon network of diamond in school and college chemistry lessons. Teachers and students use it to see why diamond is so hard, and the kit provides 30 atoms for the build. Itis made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, as part of its molecular model chemistry range for India and international markets.

Specifications

Parameter	Detail
Structure modelled	Diamond (a giant covalent form of carbon)
Kit type	Self-assembly kit
Number of atoms	30
Product code	SLE/Mo/36
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Diamond Molecular Model Used For?

In diamond, every carbon atom is covalently bonded to four neighbours in a tetrahedral arrangement, and that pattern repeats in every direction to form one continuous network. Building the 30-atom model lets a class see that there are no weak planes for the structure to slide or split along. That is the structural reason for diamond's hardness, very high melting point and poor electrical conductivity. The kit suits lessons on allotropes, covalent bonding and the link between structure and properties.

A practical approach is to let small groups assemble the network step by step, counting the bonds on each atom as they go, and then place the finished model beside a graphite model for comparison. Keep all parts together after each lesson so the full set of 30 atoms is ready for the next class.

OEM Manufacturer

The Diamond Molecular Model is an original product of Jain Scientific Equipments Private Limited, which trades as ScienceLab. As the OEM, the company makes the kit at its own licensed factory at Saha, Ambala, Haryana, India, so schools, colleges, dealers and importers buy it factory-direct rather than through a trader. ScienceLab is the trading name of a registered MSME manufacturer (Udyam UDYAM-HR-01-0003714), and export shipments are handled under Importer-Exporter Code AAECJ8618A (DGFT).

Need replacement atoms or repeat kits for more benches later? Ask us, and your request goes straight to the manufacturer. Read more about the company on the ScienceLab company profile.

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