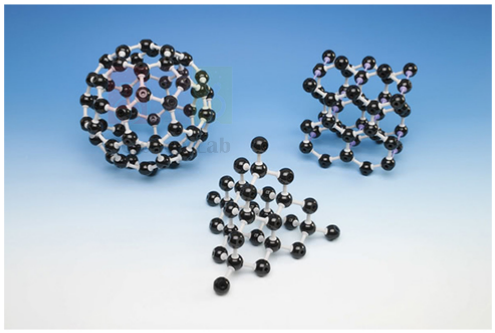
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Product Name :

Molecular Model, Graphite

Product Code :

SLE/Mo/37



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Description :

Molecular Model, Graphite (Product Code: SLE/Mo/37) is a self-assembly kit used to construct the layered structure of graphite for chemistry teaching in schools, colleges and laboratories. The kit provides 45 atoms, which students join into flat sheets of hexagonal carbon rings stacked one above another. It is produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, and fits naturally into a 3D science model kit collection for any chemistry department.

Specifications

Parameter	Detail
Structure modelled	Graphite (layered form of carbon)
Kit type	Self-assembly kit
Number of atoms	45
Product code	SLE/Mo/37
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Graphite Molecular Model Used For?

In graphite, each carbon atom bonds to three others within a flat sheet of hexagonal rings. The remaining outer electron of each atom is delocalised across the sheet, and neighbouring sheets are held together only by weak forces. Once the model is built, students can point to the gaps between layers and explain why graphite feels soft and slippery, why it works in pencils and as a dry lubricant, and why it conducts electricity along its layers.

A useful classroom routine is to build the sheets with the layer spacing clearly visible, then show how one layer could slide over the next. Senior classes can go further and connect the flat, three-bond geometry of each carbon to sp2 hybridisation. Placing the finished graphite model next to a diamond model turns one lesson into a clear comparison of two allotropes.

OEM Manufacturer

ScienceLab, the trading name of Jain Scientific Equipments Private Limited, produces the Graphite Molecular Model as original equipment at its licensed factory in Saha, Ambala, Haryana, India. Because you deal with the maker itself, quotations, repeat orders for extra kits and questions about parts are answered by the people who make the kit, with no trading intermediary in between. Learn more on the ScienceLab company profile.

Related Molecular Models

Teachers often combine the graphite kit with these models when covering carbon and hybridisation:

- s
- rbon

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