Email : sales@scilabexport.com
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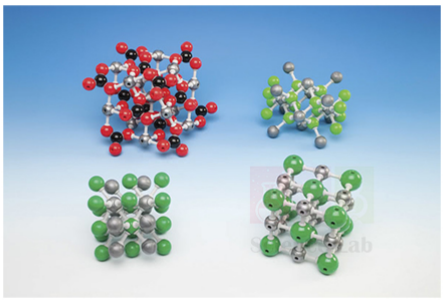
Product Name :

Molecular Model, Pre-assembled, Calcium Fluoride

Product Code :

SLE/Mo/41



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Description :

Molecular Model, Pre-assembled, Calcium Fluoride (Product Code: SLE/Mo/41) is a ready-built ionic lattice model used to demonstrate the fluorite crystal structure of calcium fluoride(CaF2) in chemistry classrooms and lecture rooms. Produced from precision-engineered mouldsand materials, it is sturdy enough to pass from student to student while the teacher explains howthe ions are arranged. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEMand science apparatus manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Structure modelled	Calcium fluoride (CaF2, fluorite structure)
Format	Pre-assembled model
Production	Precision-engineered moulds and materials
Joining pieces	Designed so the model stays firmly constructed when passed around
Storage	Durable storage case with compartments for segregation of parts
Product code	SLE/Mo/41
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Calcium Fluoride Lattice Model Used For?

In calcium fluoride, each calcium ion is surrounded by eight fluoride ions and each fluoride ion by four calcium ions. This arrangement is what textbooks call the fluorite structure. The model lets students count those neighbours directly and see why the ratio of ions matches the formula CaF2.

It is especially useful for comparing ionic lattices, for example setting the fluorite arrangement beside the rock-salt structure of sodium chloride. It also helps explain why ionic solids have high melting points and are brittle. Turn the model slowly so the class can view it along different directions, and point out how the calcium ions form a cubic framework with the fluoride ions sitting in the gaps between them.

OEM Manufacturer

Jain Scientific Equipments Private Limited, known to customers as ScienceLab, is the original equipment manufacturer of this calcium fluoride lattice model. It is made at the company's own licensed factory in Saha, Ambala, Haryana, India. Schools, laboratories, distributors and importers are supplied factory-direct. If you have questions about fittings, parts or additional models, ask us and the manufacturer will answer directly. Read about the company on the ScienceLab profile page.

Related Molecular Models

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