Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Molecular Model, Polypropylene

Product Code :

SLE/Mo/39



Description :

Molecular Model, Polypropylene (Product Code: SLE/Mo/39) is a self-assembly model used to show the chain structure of the polymer polypropylene in organic chemistry and materialslessons. It comes with instructions for self-assembly, so students can build the repeating unitsand see how a long addition polymer grows from small monomer molecules. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory inAmbala, India, and carries a molecular model organic chemistry collection forward into the topicof plastics.

Key Details

Parameter	Detail
Structure modelled	Polypropylene (an addition polymer)
Model type	Self-assembly molecular model
Included	Instructions for self-assembly
Product code	SLE/Mo/39
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Polypropylene Molecular Model Used For?

Polypropylene forms when many propene molecules join through their carbon–carbon double bonds, leaving a long saturated carbon backbone with a methyl group on every second carbon. Building the model makes that repeat unit visible, so students can identify the monomer, draw the repeat unit correctly and explain why the finished plastic is chemically unreactive.

With senior classes, the model can open a discussion of how the arrangement of methyl groups along the chain affects how closely neighbouring chains pack, and so influences stiffness and melting behaviour. Linking it to everyday laboratory items made of polypropylene, such as beakers and carboys, helps students connect molecular structure with the materials already on their bench.

OEM Manufacturer

This polymer model is made by ScienceLab, the brand of Jain Scientific Equipments Private Limited, which acts as the OEM and builds it at its own licensed factory at Saha, Ambala, Haryana, India. Schools, colleges and trade buyers purchase it straight from the manufacturer, and the same team answers questions about the assembly instructions or repeat orders. See the ScienceLab company profile for more about the business.

Related Molecular Models

Useful companions for a lesson on hydrocarbons, polymers and plastics:

- Organic Chemistry Molecular Models Kit — for building ethene and other small
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