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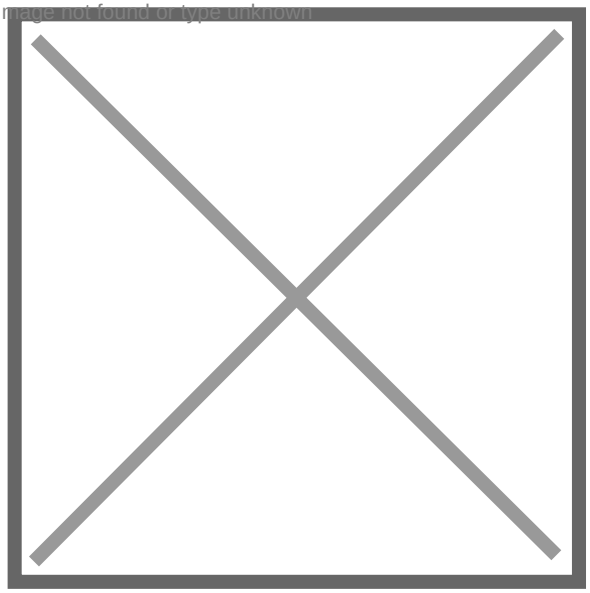
Product Name :

Atomic Orbital Model Pz

Product Code :

SCI-289/113

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Description :

Atomic Orbital Model Pz (Product Code: SCI-289/113) is a three-dimensional plastic model of the pz orbital, used in chemistry teaching to show a p orbital whose two lobes point along the vertical z-axis. Built from durable, colour-coded plastic parts and links, it stands on a grey transparent base and packs away in a plastic box. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Orbital	pz (p orbital along the z-axis)
Build	Durable plastic parts and links, assembled by the user
Colour coding	Parts colour-coded for quick identification
Display base	Grey, transparent
Storage	Plastic box
Product code	SCI-289/113
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Pz Orbital Model Used For?

Because its lobes stand upright, the pz model is often the first p orbital students notice on a teacher's desk, and it is a natural reference when the axes are introduced. By common convention the z-axis is also taken as the line joining the two nuclei in a diatomic molecule, so the pz model helps explain end-on overlap and sigma bonding in molecules such as nitrogen or oxygen.

Set the model on its base beside the Px and Py models to build a full picture of the p subshell, or pair it with an s orbital drawing to compare shapes. Store the parts in the box after each class so the colour-coded pieces stay together for the next chemistry teaching session.

What to Specify When Ordering

- Which orbital models you need: Pz is listed here, with Px and Py as separate items.
- The quantity, for example one set per classroom or one per teacher.
- Related hybridization models or charts you want quoted together.

OEM Manufacturer

Jain Scientific Equipments Private Limited makes the Atomic Orbital Model Pz as the OEM (original equipment manufacturer) and sells it under its trading name, ScienceLab. The parts are produced and packed at the company's own licensed factory at Saha, Ambala, Haryana, India, not b
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