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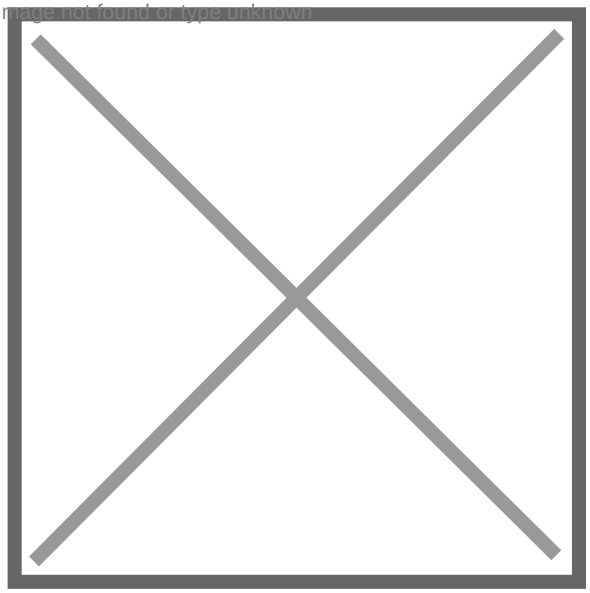
Product Name :

Prism – Acrylic, Set of 7

Product Code :

SLE/PHY/274

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Description :

Prism – Acrylic, Set of 7 (Product Code: SLE/PHY/274) is a set of seven polished acrylic optical blocks used to study reflection, refraction and total internal reflection with a ray box in school and college optics lessons. Every block is 25 mm thick with all faces fully polished, and the shapes cover bi-convex, bi-concave, rectangular, semi-circular and three triangular prisms. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Number of blocks	7
Material	Acrylic
Thickness	25 mm (all blocks)
Finish	All faces fully polished
Bi-convex block	75 mm long curved faces, 100 mm radius
Bi-concave block	75 mm long curved faces, 100 mm radius
Rectangular block	75 x 50 mm
Semi-circular block	75 mm diameter
Equilateral triangle	60° x 60° x 60°, 58 mm side
Right-angled isosceles triangle	90° x 45° x 45°, 75 mm hypotenuse
30-60-90 triangle	90° x 60° x 30°, 75 mm hypotenuse
Product code	SLE/PHY/274
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Acrylic Prism Set Used For?

Laid flat on paper in the path of a ray box beam, each block demonstrates a different part of the optics syllabus. The rectangular block shows lateral displacement and lets students work out refractive index from the angles of incidence and refraction; the semi-circular block is the standard shape for finding the critical angle and showing total internal reflection; and the bi-convex and bi-concave blocks make parallel rays converge or diverge like thin lenses drawn in two dimensions.

The 60° triangle disperses white light into a spectrum, while the two right-angled triangles show how a prism can turn a ray through a right angle or send it back the way it came by total internal reflection, the principle behind periscopes and binoculars. As a compact optics experiment kit for schoo r, and c

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