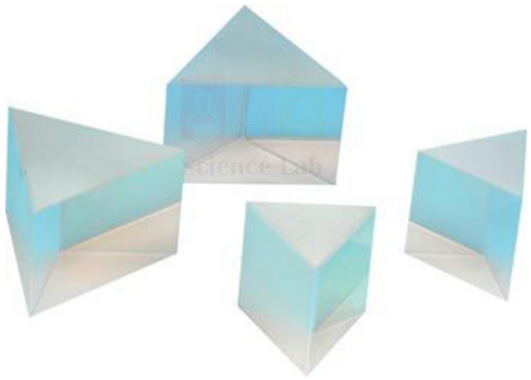
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Prism, Borosilicate Glass

Product Code :

SLE/PHY/113



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

Description :

Prism, Borosilicate Glass (Product Code: SLE/PHY/113) is an optically worked equilateralprism used on a spectrometer to measure refractive index and study the dispersion of light incollege and senior school physics laboratories. It measures 32 x 32 mm, has two polished facesand is listed as crown glass with a refractive index of 1.51. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Material	Borosilicate glass
Glass type and refractive index	Crown, R.I. 1.51
Shape	Equilateral triangle
Dimensions	32 x 32 mm
Surfaces	Optically worked; two faces polished
Intended use	With a spectrometer
Product code	SLE/PHY/113
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Borosilicate Glass Prism Used For?

On a spectrometer table, the prism's two polished faces act as the refracting surfaces. Students first measure the angle of the prism using reflections from those faces, then rotate the table to find the angle of minimum deviation for a spectral line. From these two angles the refractive index follows from n = sin((A + Dm)/2) / sin(A/2), the standard prism spectrometer practical in India.

With a sodium or mercury source, the same set-up shows dispersion: each colour leaves the prism at a slightly different angle, so the refractive index can be measured for several lines and plotted against wavelength. Hold the prism by its unpolished face or edges, set the polished faces towards the collimator and telescope, and clean it only with a lens tissue or soft cloth.

What to Specify When Ordering

- Number of spectrometer stations to equip with a prism.
- Refractive index required — this prism is listed at 1.51 (crown).
- Whether the spectrometer and a spectral lamp supply should also be quoted.

OEM Manufacturer

Jain Scientific Equipments Private Limited, known by its brand ScienceLab, manufactures this borosilicate prism as the OEM at its licensed factory in Saha, Ambala, Haryana, India. Physics depa
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