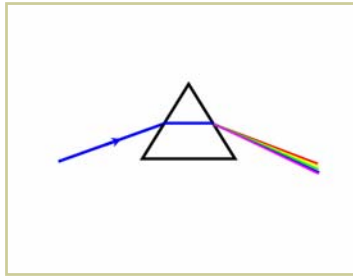


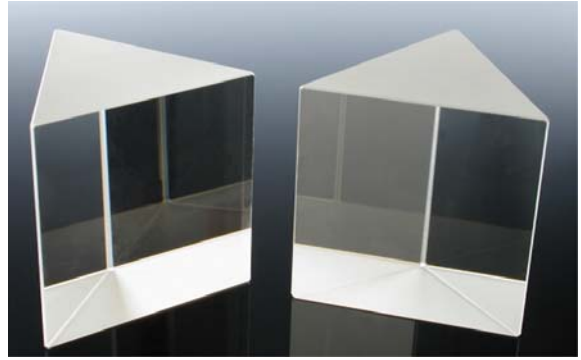
Equilateral Prisms

Equilateral prisms are most commonly used as dispersing elements. When used at minimum deviation, they produce the highest dispersion. This makes them useful in spectroscopy where a source of light may be broken into its constituent wavelengths for analysis. These prisms may be made from different glass types in order to change the amount of dispersion.



We offer equilateral prisms made of the following glass types:

BK7	($n_d = 1.52$, $v_d = 64.2$)
SF10	($n_d = 1.73$, $v_d = 28.5$)
F2	($n_d = 1.62$, $v_d = 36.4$)



The accuracy of these prisms is controlled by the precision of the prism angles. The standard level of accuracy has an angular deviation of 3 arc minutes.

We offer equilateral prisms uncoated but special coatings can be applied on request.

We can supply equilateral prisms in the following standard sizes (in mm):

<u>Base</u>	<u>Thickness</u>
20	16.2
25	20.2
30	24.3
35	28.3
40	32.4
50	40.4
60	48.5

Other sizes will be considered on special request.

Typical Specifications	
Material:	BK7, SF10, F2
Surface flatness:	$\lambda/8$ @ 633 nm
Surface quality:	40/20
Angular deviation:	< 3 arcmin
Dimensions:	+0.0 / -0.2 mm
Clear aperture:	> 85% of face

To request a quote or to order, please specify:

Quantity — Material — Base Size

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For a quotation — please phone, fax or email us with details of your requirements.