

ADP

Ammonium dihydrogen phosphate is a member of the KDP family and has been widely used as a large-sized crystal in people's production practice for a long time. Because of its many special functions such as laser frequency doubling effect, electro-optic effect, piezoelectric effect, etc., the application of glasses for ADP crystals has been concerned.



ADVANTAGES :

- High performance nonlinear optical crystal
- High efficiency laser frequency doubling effect
- X-ray spectroscopic effect
- Photoelectric effect
- Piezoelectric effect
- Easy to grow into large size crystals
- Easy to grow into large size high quality crystals

APPLICATIONS:

- Making optical components
- Frequency generator on the laser
- Q-switch

SPECIFICATIONS :

Flatness	$\lambda/8$ at 633nm
Parallelism	≤ 20 arcsec
Wavefront Distortion	$\lambda/8$ at 633nm
Surface Quality	20-10
Perpendicularity	≤ 5 arcmin
Angle tolerance	$\leq \pm 0.25^\circ$
Dimension tolerance	± 0.1 mm
Clear Aperture	90% of central area
Chamfer	≤ 0.2 mmx 45°
Chip	≤ 0.1 mm
Damage Threshold	1GW/cm ² 1064nm 10ns 10Hz for DKDP