

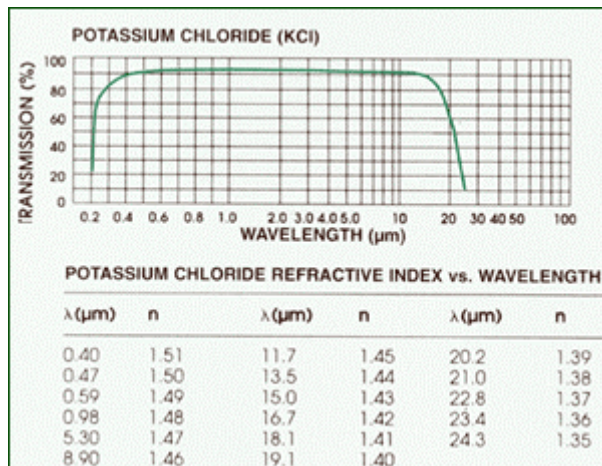
GLOBAL OPTICS (UK) LTD

30 Brockley Road, Bournemouth
Dorset, BH10 6JN.
Tel: 01202 530609
Fax: 01202 547209
Email: globalopticsuk@btinternet.com
Website: www.globalopticsuk.co.uk

POTASSIUM CHLORIDE - KCL₂

Because of its low absorption, high damage threshold and low index KCl is used as a laser protection windows. Also used in infrared Spectroscopy as windows, lenses and prisms. The material is water soluble and polished surfaces should be protected from exposure to moisture.

Transmission Range	0.21 - 20.0 μ
Crystal Structure	Rock Salt
Cleavage Plane	100
Colour	Colourless
Density	1.9865 (28°)
Melting Point (°)	776
Reflection Loss	6.8% (10 μ) for 2 surfaces
Solubility index	34.7gm/100gm / 20°C
Hardness (Knoop)	7.2(110) 9.3(100)
Thermal Conductivity (cal/cm sec°C)	1.56x10 ⁻² (42°C)
Thermal Expansion coefficient (/°C)	36x10 ⁻⁶ (20-60°C)



Whilst every effort has been made to verify the data provided, no responsibility can be accepted for its accuracy

