

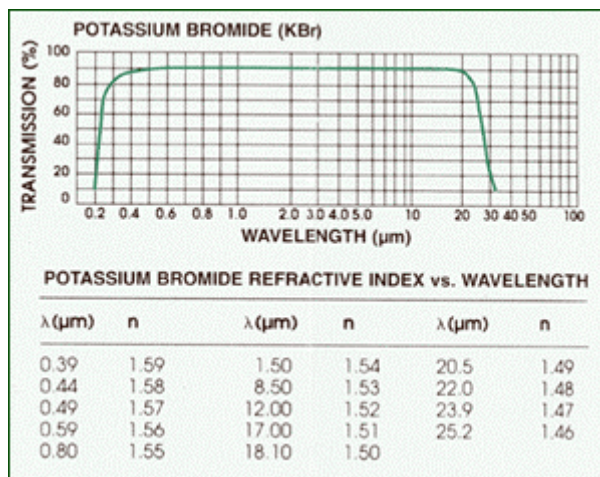
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### POTASSIUM BROMIDE - KBr

Used widely as infrared optical windows and components for general spectroscopy because of its wide spectral range. Also used as infrared beamsplitters or interferometers substrates. KBr is water soluble and polished surfaces should be protected against moisture attack.

Transmission Range	0.23 - 25.0 $\mu$
Crystal Structure	Rock Salt
Cleavage Plane	100
Colour	Colourless
Density	2.75 (23°)
Melting Point (°)	730
Reflection Loss	8.4% (10 $\mu$ ) for 2 surfaces
Solubility index	65.2gm/100gm / 20°C/TD>
Hardness (Knoop)	5.9(110) 7.0(100)
Thermal Conductivity (cal/cm sec°C)	$1.15 \times 10^{-2}$ (46°C)
Thermal Expansion coefficient (/°C)	$43 \times 10^{-6}$ (20 - 60°C)



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