

Scratch & Dig	40/20~10/5
Flatness	$\lambda/4 \sim \lambda/8$
parallelism	10 Sec
Coating	AR coating at the end and Metal electrode on the Z surfaces

Lithium niobate ( $\text{LiNbO}_3$ ) is an important material for optical modulators. It is a colorless solid insoluble in water. It has a trigonal crystal system and negative uniaxial birefringence which depends slightly on the stoichiometry of the crystal and on temperature. It is transparent for wavelengths between 350 and 5200 nanometers.

MgO:LN is Lithium niobate doped by magnesium oxide, which increases its resistance to optical damage.