Formula	MgF_2					
Growth method	Stockbarger technique					
Max. sizes	Ø90 mm					
Transmission range, μm (Thickness 10 mm)	0.13 - 7.0					
Structure	tetragonal					
Density (g/cm^3)	3.18					
Melting point (°C)	1255					
Hardness (Mohs)	6					
Thermal expansion coefficient (10^{-6}/K)	parallel c-axis: 10.86 - 14.54 vertical c-axis: 6.23 - 9.25					
Thermal conductivity ($W\ m^{-1}\ K^{-1}$)	not declarate					
Specific heat capacity ($J\ kg^{-1}\ K^{-1}$)	920					
Solubility in water ($g/100\ cm^3$)	0.0076					
Solubility in acids	soluble					
Solubility in organic solvents	unsoluble in alcohol					
Wavelength (μm)	0.2	0.5	1.0	3.0	5.0	7.0
Refractive index n_o	1.4231	1.3797	1.3736	1.3618	1.3400	1.3044
n_e	1.4367	1.3916	1.3852	1.3724	1.3487	1.3101
Absorption coefficient (cm^{-1})	0.07 at 0.2 μm 0.02 at 5.0 μm					

Transmission spectrum: