



**L-102 LIR (LaF3), 99.99%Crystal Granules 1~5mm (possible substitute ThF4 for UV to IR coatings).**

Melting Point	1490°C
Transmission Range	0.22~14 micron
Refractive Index	n=1.59 (500nm)
Density	6 g/cm <sup>3</sup>
Evaporation Temperature	1300~1500°C
Substrate Temperature	175~250°C
Rate of Condensation	20~50Å <sup>0</sup> /sec
Recommended Source	Water cooled copper crucible with graphite line by E-gun Molybdenum boat by resistance source.

This is lower index material for IR coatings, which it has good transparency and less absorption from UV to far IR region. It forms very durable film and it is good to match for high index such as Ge, ZnS and ZnSe.

**Application:** Multi-layer coating for A.R. and IR.

