蓝宝石（Al2O3）棱镜

产品名称	蓝宝石（Al2O3）棱镜
公司名称	筱晓（上海）光子技术有限公司
价格	3000.00/个
规格参数	品牌:筱晓光子 型号:SAPPRISM10-60
公司地址	上海市金山区枫泾镇曹黎路38弄19号1117室
联系电话	021-64149583 17317304711

产品详情

蓝宝石因其极度的韧性和强度可以很好的应用为UV，VIS和NIR光谱波段的光学窗片材料。

???????????? Verneuil?Czochralski?????????????????????????????????????Kyropulos?????????????????????????????????IR????????????5?m??140nm?240nm???IR?????????????????????????????????????? ????????????90????“??”???????????????

*????????????????????????

?????

????? 0.17~5.5?m

???? No 1.75449; Ne 1.74663?1.06?m??1?

????? 14? at 1.06?m

????? 0.3×10 -3 cm -1 at 2.4?m ?2?

???? 13.5?m

dn / dT? 13.4×10 -6?0.546?m??3?

dn /d?= 0? 1.5?m

??? 3.97g/cm3

??? 2040?

???? 27.21W m-1K-1 at 300K

???? 5.6?para?& 5.0?perp?×10-6 / K *

??? Knoop 2000 with 2000g indenter

????? 763JKg-1K-1?293K??4?

????? 11.5?para?9.4?perp?at 1MHz

?????E?? 335GPa

?????G?? 148.1GPa

?????K?? 240GPa

????? C11 = 496 C12 = 164 C13 = 115 C33 = 498 C44 = 148

??????? 300 MPa?45,000 psi?

???? 0.25

???? 98×10-6g / 100g water

???? 101.96

?/??? Trigonal?hex??R3c

????

No = Ordinary Ray Ne = Extraordinary Ray

?m	No	Ne	?m	No	Ne	?m	No	Ne
0.193	1.9288	1.9174	0.213	1.8890	1.8784	0.222	1.8754	1.8650
0.226	1.8702	1.8599	0.244	1.8506	1.8407	0.248	1.8470	1.8372

0.257	1.8393	1.8297	0.266	1.8330	1.8236	0.280	1.8244	1.8151
0.308	1.8110	1.8020	0.325	1.8047	1.7958	0.337	1.8001	1.7921
0.351	1.7969	1.7882	0.355	1.7960	1.7883	0.442	1.7804	1.7721
0.458	1.7784	1.7702	0.488	1.7753	1.7671	0.515	1.7730	1.7649
0.532	1.7717	1.7636	0.590	1.7680	1.7600	0.633	1.7659	1.7579
0.670	1.7643	1.7563	0.694	1.7634	1.7554	0.755	1.7614	1.7535
0.780	1.7607	1.7527	0.800	1.7601	1.7522	0.820	1.7596	1.7517
0.980	1.7561	1.7482	1.064	1.7545	1.7466	1.320	1.7501	1.7423
1.550	1.746	1.7384	2.010	1.7375	1.7297	2.249	1.7323	1.724

	2							3
2.703	1.719	1.711	2.941	1.712	1.711	3.333	1.701	1.693
3.704	1.687	1.679	4.000	1.674	1.666	4.348	1.658	1.65
4.762	1.636	1.628	5.000	1.623	1.615	5.263	1.607	1.599