

# 液晶材料

## 产品简介

Instec 搜罗世界各地的液晶材料生产商，所提供由 Instec ALCT 液晶参数测试仪进行过参数测量的液晶材料。

Instec 已经为国际液晶界服务超过 35 年。



## 材料类型

FLC	铁电液晶
N_FLC	向列型铁电液晶 (RM734-1g)
提供 IPS 显示的 NLC	用于 IPS 或 FFSIPS 显示的正向列型液晶
垂直对齐显示的 NLC	垂直排列显示用 NLC 正向列相液晶 IPS 或 FFSIPS 显示
左手 TN 显示的 NLC	左手 TN 显示用 NLC 负向列相液晶
其他混合物 LC	其他混合物 LC 各种混合物 LC 材料
单复合物 LC	单化合物液晶各种单化合物液晶材料

## 液晶规格列表

液晶型号	$\epsilon_{  }$	$\epsilon_{\perp}$	$\gamma_1$ (mPaS)	$K_{11}$ (pN)	$K_{33}$ (pN)	$n_e$	$n_o$	$T_{emp}$ (°C)	$T_{NI}$ (°C)
	介电常数		旋转粘度	弹性系数		折射率		温度	
LC-BYE7	19.0	5.2	235.55	11.5	19.1	1.746	1.521	20	-20
LC-BY5CB	18.5	7.0	-	5.9	9.9	1.71	1.53	20	22
LC-BYIPS-P01	5.5	2.8	56.46	13.63	16.34	1.581	1.486	20	<-40
LC-BYIPS-P02	5.2	2.6	62.4	14.19	15.33	1.5906	1.4911	20	<-40
LC-BYTN-01	13.3	3.8	129.6	10.42	15.43	1.586	1.486	20	<-40
LC-BYVA-01	3.71	8.6	204.0	17.65	21.39	1.570	1.478	20	<-20
LC-VATS14	3.42	6.18	95	13.68	14.15	-	-	20	-
LC-TNTA90	8.46	3.07	58.3	12.68	13.26	-	-	20	-
LC-PD40300	22.2	5.4	423.6	13.21	22.45	1.778	1.527	20	<-20
LC-PD40500	22.8	5.4	446.2	13.96	23.32	1.783	1.524	20	<-30
LC-PD40280	22.0	5.4	517.5	13.1	23.64	1.775	1.523	20	<-30
LC-PD40290	21.4	4.7	476.95	19.01	19.87	1.748	1.507	20	-10

## Ordering Information

Part Number	Description
LC-BYE7	E7 liquid crystal, 5 gram bottle (LC-PD40200), Nematic LC materials with Large Delta_n, good for applications such as PDLC (polymer dispersed liquid crystal) and ECB (electrical controlled birefringence)".
LC-BY5CB	5CB liquid crystal, 5 gram bottle
LC-BYIPS-P01	Positive NLC for TFT-IPS type display, 5 gram bottle
LC-BYIPS-P02	Positive NLC for TFT-IPS type display, 5 gram bottle
LC-BYTN-01	Positive NLC for TFT-TN type display with left hand chiral dopant, 5 gram bottle
LC-BYVA-01	Negative NLC for TFT-VA mode display, 5 gram bottle
LC-PD40300-	Postive Nematic LC materials with Large Delta_n, good for applications such as PDLC (polymer dispersed liquid crystal) and ECB (electrical controlled birefringence)". 5 gram bottle,
LC-PD40500	Postive Nematic LC materials with Large Delta_n, good for applications such as PDLC (polymer dispersed liquid crystal) and ECB (electrical controlled birefringence)". 5 gram bottle,
LC-PD40280	Postive Nematic LC materials with Large Delta_n, good for applications such as PDLC (polymer dispersed liquid crystal) and ECB (electrical controlled birefringence)". 5 gram bottle,
LC-PD40290	Postive Nematic LC materials with Large Delta_n, good for applications such as PDLC (polymer dispersed liquid crystal) and ECB (electrical controlled birefringence)". 5 gram bottle,

## 单分子液晶

型号	结构	纯度	MOQ (g) -	相变温度°C
LC-BY5CB		GC>99.5%	5g	C22.0 N35.11
N_FLC_RM734		GC>99%	1g	CAS NO. 2196195-87-4