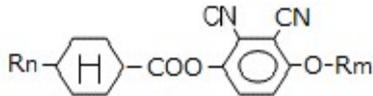
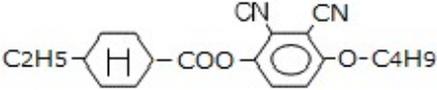
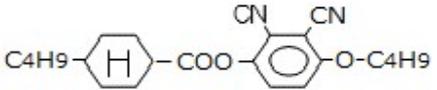
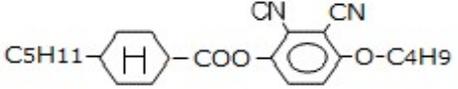
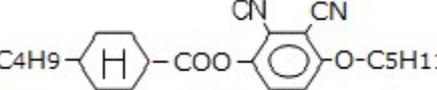
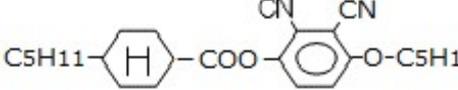


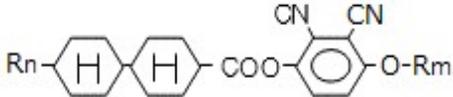
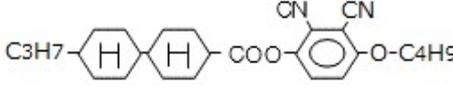
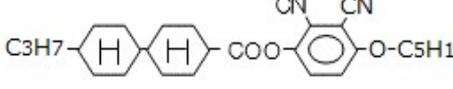
# 液晶材料一覧

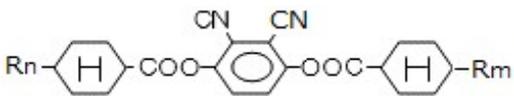
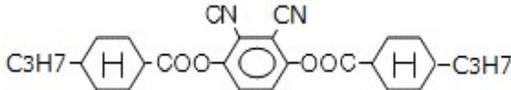
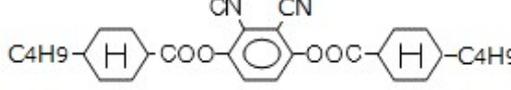
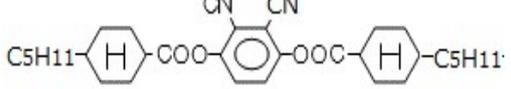
## ネガ液晶 (AFシリーズ)

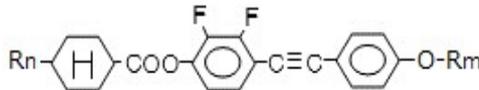
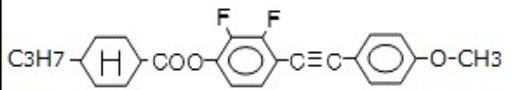
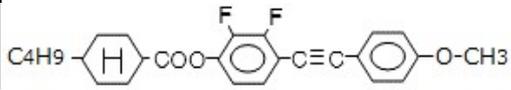
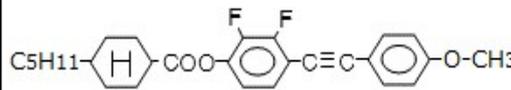
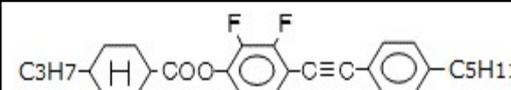
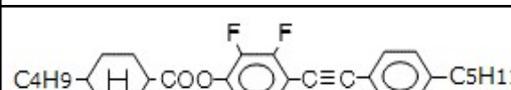
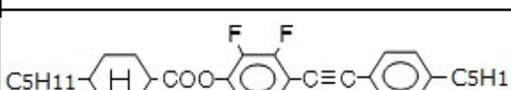
改訂(追加) 2021年5月26日 LCC

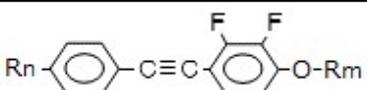
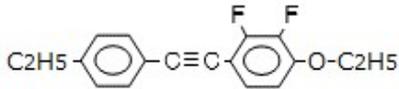
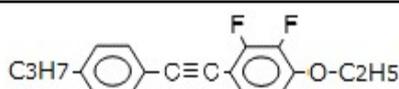
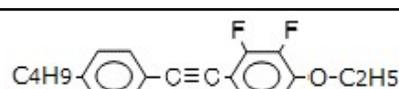
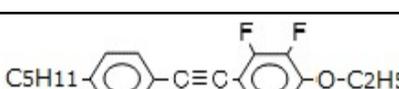
有無は物性表の有無を表し、○は有です。

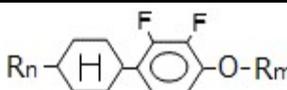
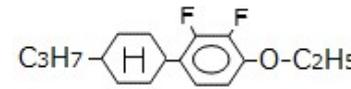
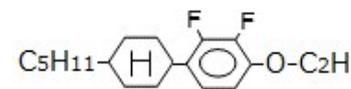
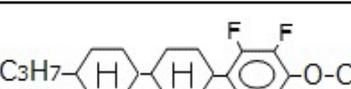
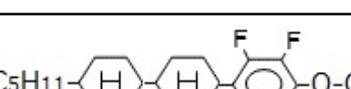
 <b>AFシリーズ 2環シアノ</b>							
品名	CAS No.	有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
AF-00 (CEn204)	(SN-204)		C <sub>2</sub> H <sub>5</sub>	O-C <sub>4</sub> H <sub>9</sub> (CN) <sub>2</sub>			
AF-01 (CEn404)	75941-46-7		C <sub>4</sub> H <sub>9</sub>	O-C <sub>4</sub> H <sub>9</sub> (CN) <sub>2</sub>		89.1	
AF-02 (CE n 504)	75941-47-8		C <sub>5</sub> H <sub>11</sub>	O-C <sub>4</sub> H <sub>9</sub> (CN) <sub>2</sub>		92.7	
AF-04 (CE n 405)	75941-51-4		C <sub>4</sub> H <sub>9</sub>	O-C <sub>5</sub> H <sub>11</sub> (CN) <sub>2</sub>		83.0	
AF-05 (CE n 505)	75941-52-5		C <sub>5</sub> H <sub>11</sub>	O-C <sub>5</sub> H <sub>11</sub> (CN) <sub>2</sub>		101.0	

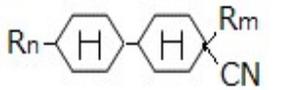
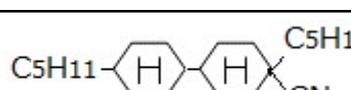
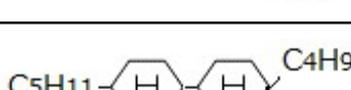
 <b>AFシリーズ 3環シアノ</b>							
品名	CAS No.	有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
AF-03 (CCEn304)	90681-44-0		C <sub>3</sub> H <sub>7</sub>	OC <sub>4</sub> H <sub>9</sub> (CN) <sub>2</sub>		142.0	216.0
AF-06 (CCEn305)	90681-46-2	○	C <sub>3</sub> H <sub>7</sub>	OC <sub>5</sub> H <sub>11</sub> (CN) <sub>2</sub>		141.0	202.0

 <b>AFシリーズ 3環シアノ</b>							
品名	CAS No.	有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
AF-07	75414-71-0	○	C <sub>3</sub> H <sub>7</sub>	C <sub>3</sub> H <sub>7</sub> (CN) <sub>2</sub>		137.0	
AF-08	75414-72-1		C <sub>4</sub> H <sub>9</sub>	C <sub>4</sub> H <sub>9</sub> (CN) <sub>2</sub>		138.0	
AF-09	75414-73-2		C <sub>5</sub> H <sub>11</sub>	C <sub>5</sub> H <sub>11</sub> (CN) <sub>2</sub>		137.0	

 <b>AFシリーズ 3環フッ素</b>							
品名	CAS No.	有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
AF-10		○	C <sub>3</sub> H <sub>7</sub>	OCH <sub>3</sub> FF		83.0	
AF-11		○	C <sub>4</sub> H <sub>9</sub>	OCH <sub>3</sub> FF		77.0	
AF-12		○	C <sub>5</sub> H <sub>11</sub>	OCH <sub>3</sub> FF		77.0	
AF-13		○	C <sub>3</sub> H <sub>7</sub>	C <sub>5</sub> H <sub>11</sub> FF		46.0	
AF-14			C <sub>4</sub> H <sub>9</sub>	C <sub>5</sub> H <sub>11</sub> FF		69.0	
AF-15			C <sub>5</sub> H <sub>11</sub>	C <sub>5</sub> H <sub>11</sub> FF		80.0	

 <b>AFシリーズ 2環フッ素</b>							
品名		有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
AF-16			C <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub> FF			
AF-17		○	C <sub>3</sub> H <sub>7</sub>	OC <sub>2</sub> H <sub>5</sub> FF			
AF-18		○	C <sub>4</sub> H <sub>9</sub>	OC <sub>2</sub> H <sub>5</sub> FF			
AF-19		○	C <sub>5</sub> H <sub>11</sub>	OC <sub>2</sub> H <sub>5</sub> FF			

 <b>A F シリーズ 直環型 (フッ素系)</b>							
品名		有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
A F - 2 0	変更 A H - 0 5		C <sub>3</sub> H <sub>7</sub>	OC <sub>2</sub> H <sub>5</sub> FF			
A F - 2 1	変更 A H - 0 6		C <sub>5</sub> H <sub>11</sub>	OC <sub>2</sub> H <sub>5</sub> FF			
A F - 2 2	変更 A H - 0 7		C <sub>3</sub> H <sub>7</sub>	OC <sub>2</sub> H <sub>5</sub> FF			
A F - 2 3	変更 A H - 0 8		C <sub>5</sub> H <sub>11</sub>	OC <sub>2</sub> H <sub>5</sub> FF			

 <b>A F シリーズ 直環型 (シアノ系)</b>							
品名		有無	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
A F - 9 2	5CCCN3 (5CCN3)	○	C <sub>5</sub> H <sub>11</sub>	C <sub>3</sub> H <sub>7</sub> CN			
A F - 9 3	5CCCN5 (5CCN5)	○	C <sub>5</sub> H <sub>11</sub>	C <sub>5</sub> H <sub>11</sub> CN			
	5CCCN4 (5CCN4)		C <sub>5</sub> H <sub>11</sub>	C <sub>4</sub> H <sub>9</sub> CN			
	4CCCN7 (4CCN7)	○	C <sub>4</sub> H <sub>9</sub>	C <sub>7</sub> H <sub>15</sub> CN			
	5CCCNP5 (5CCNP5)		C <sub>5</sub> H <sub>11</sub>	C <sub>5</sub> H <sub>11</sub> CN	