

Mixture Name			MLC-6844-000	MLC-6844-100	MLC-6845-100
S-N		[°C]	< -40.0	< -40.0	< -40.0
Clearing point		[°C]	+95.5	+95.5	+96.0
Optical Anisotropy [589.3nm, 20°C]	n_e		1.5828	1.5904	1.5882
	n_o		1.4844	1.4906	1.4896
	Δn		+0.0984	+0.0998	+0.0986
Dielectric Anisotropy [1kHz, 20°C]	$\epsilon_{//}$		24.6	9.0	5.4
	ϵ_{\perp}		5.7	3.6	3.1
	$\Delta\epsilon$		+18.8	+5.4	+2.3
Flow viscosity	ν	[20°C] [mm ² s ⁻¹]	23	14	13
		[0°C] [mm ² s ⁻¹]	81	40	35
		[-20°C] [mm ² s ⁻¹]	480	170	140
		[-30°C] [mm ² s ⁻¹]	1950	470	360
		[-40°C] [mm ² s ⁻¹]	11700	1710	1220
HTF		[20°C] [1/μm]			
d·An		[20°C] [μm]	0.50	0.50	0.50
Twist		[°]	90	90	90
Characteristic Voltages [20°C]		[V]	1.03	2.01	3.01
	V_{10}	[V]	1.28	2.39	3.52
	V_{30}	[V]	1.65	2.99	4.40
	V_{90}	[V]	1.594	1.486	1.460
	V_{90}/V_{10}		1.235	1.187	1.169
	V_{30}/V_{20}		1.08	3.41	4.25
	$\delta V/dT$ (0 - 40°C)	[mV/°C]			

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