

ActivInk™ D1400



Materials Properties

Chemical Structure:	Confidential
Physical Form:	White solid
Purity:	> 99.50%
Melting Point:	Confidential
Solubility:	Confidential
Curing Wavelength:	240-310nm
Cross-linking Dosage:	5-10 J/cm ² at 300nm
Film-Deposition:	Spin-Coat
Can Publish Results:	No

Structure
Confidential

Electronic Properties

Dielectric Constant (k):	3.5 – 4.0
Abs. Coefficient:	Mostly transparent

Typical Device Data

Preferred Architecture:	Bottom-gate
Recommended Semiconductor Type:	Small molecule or polymer
Typical Thickness:	400nm - 1μm
Leakage-current Density:	~1x10 ⁻⁸ at 2MV/cm
Breakdown Field:	4-5MV/cm