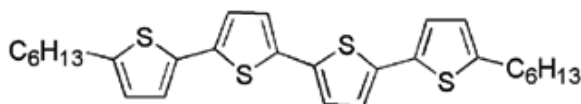


ActivInk™ P0400



Materials Properties

Chemical Structure:	DH-4T
Physical Form:	Yellow solid
Purity:	> 99.5%
Melting Point:	184°C
Solubility:	Chloroform, dichlorobenzene
Can Publish Results:	Yes



Electronic Properties

Optical Absorption (λ max.):	402 nm
HOMO / LUMO (by CV.):	5.8 / 2.9
Abs. Coefficient:	4×10^4
Bandgap:	2.8 eV

Typical Device Data

Carrier Mobility:

Deposition Method	Mobility	Device Stack
Drop-cast	0.01 cm ² /Vs	TCBG Si / SiO ₂ -HMDS / Au / L = 50μm
Vapor	0.05 cm ² /Vs	TCBG Si / SiO ₂ -HMDS / Au / L = 50μm

Turn-on Voltage:	~0 V
On/Off Ratio:	$1.0 \times 10^{4-6}$
Device Shelf Life:	Good
Recommended Contact Type(s):	Au, but will work with others.

FET Transfer Characteristic

Spin-Coat

Inkjet

Coming Soon