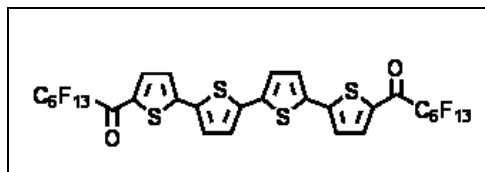


ActivInk™ N0800



Materials Properties

Chemical Structure:	DFHCO-4T
Physical Form:	Orange solid
Purity:	> 99.5%
Melting Point:	248°C
Solubility:	Chloroform, dichlorobenzene
Crystallization Motif:	Herringbone
Can Publish Results:	Yes



Electronic Properties

Optical Absorption (λ max.):	461 nm
HOMO / LUMO (by CV.):	6.4 / 4.0
Abs. Coefficient:	No Data
Bandgap:	2.4eV

Typical Device Data

Carrier Mobility:

Deposition Method	Mobility	Device Stack
Vapor	0.5 – 4.0 cm^2/Vs	TCBG Si / SiO_2 -HMDS(PS) / Au / $L=50\mu\text{m}$

Turn-on Voltage:	10 – 30 V
On/Off Ratio:	$1.0 \times 10^{5-8}$
Device Shelf Life:	Good
Recommended Contact Type(s):	Au, but will work with others.
Device Yield / Reproducibility:	Good

FET Transfer Characteristic

Vapor

Coming Soon