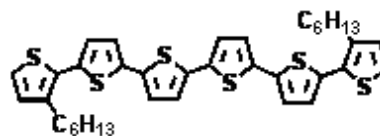


ActivInk™ P0300



Materials Properties

Chemical Structure:	isoDH-6T
Physical Form:	Orange solid
Purity:	> 99.5%
Melting Point:	137°C
Solubility:	Chloroform, dichlorobenzene
Can Publish Results:	Yes



Electronic Properties

Optical Absorption (λ max.):	429 nm
HOMO / LUMO (by CV.):	5.8 / 3.0
Abs. Coefficient:	5.4×10^4
Bandgap:	2.6eV

Typical Device Data

Carrier Mobility:

Deposition Method	Mobility	Device Stack
Spin-coat	0.01 – 0.1 cm^2/Vs	TCBG Si / SiO_2 -HMDS / Au / $L = 50\mu\text{m}$

Turn-on Voltage:	-10 – 0 V
On/Off Ratio:	$1.0 \times 10^{4-5}$
Device Shelf Life:	Good
Recommended Contact Type(s):	Au, but will work with others.

FET Transfer Characteristic

