

PV-A600

A [6,6]-Phenyl-C61-butyric acid methyl ester (PC₆₁BM) acceptor material used in organic bulk heterojunction solar cells.

MATERIAL PROPERTIES

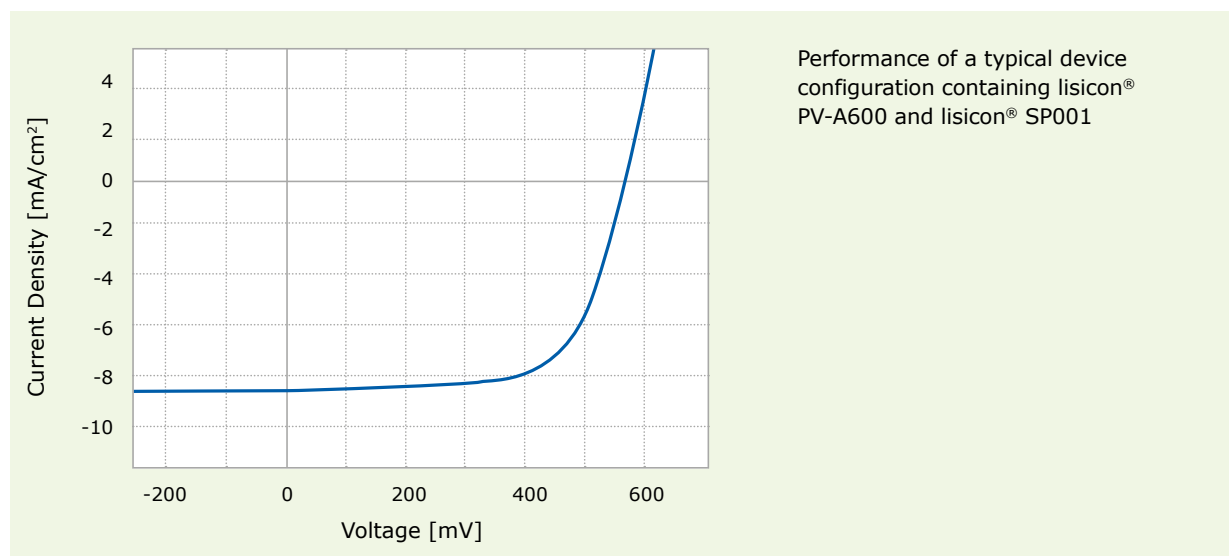
Property	Value
Physical Form	Dark powder
Solubility	Chloroform, o-dichlorobenzene, tetralin, o-xylene
Storage	In the dark under a dry inert atmosphere
Processing	Spin coating or doctor-blading in inert atmosphere
Purity (HPLC)	> 99.5 %

TYPICAL DEVICE DATA *

Property	Value
Power Conversion Efficiency	> 3 %
Field Effect Mobility	$4 \times 10^{-2} \text{ cm}^2/\text{Vs}$
Fill Factor	> 60
V _{oc}	570 mV

* Data obtained using EMD standard process using blade coating as coating method [Glass//ITO//PEDOT:PSS 20nm//lisicon[®] PV-A600 and lisicon[®] SP001 200nm//Ca 30nm//Al 200nm] in an organic bulk-heterojunction solar cell.

CURRENT/VOLTAGE-CHARACTERISTICS



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