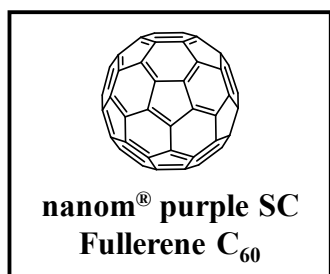


Technical Report

SINGLE CRYSTAL Fullerene C₆₀ "nanom[®] purple SC"

New grade of Fullerene C₆₀ is now released.

We succeeded in developing 'nanom[®] purple SC', for OPV and other applications. nanom[®] purple SC, its structure is 'single crystal'. Please try **nanom[®] purple SC** !



- **Grade Name** : nanom[®] purple SC
- **Common Name** : Fullerene C₆₀
- **CAS Number** : 99785-96-8
- **Molecular Formula** : C₆₀

Grades	nanom [®] purple	
	SUH	SC
Process	Sublimed	

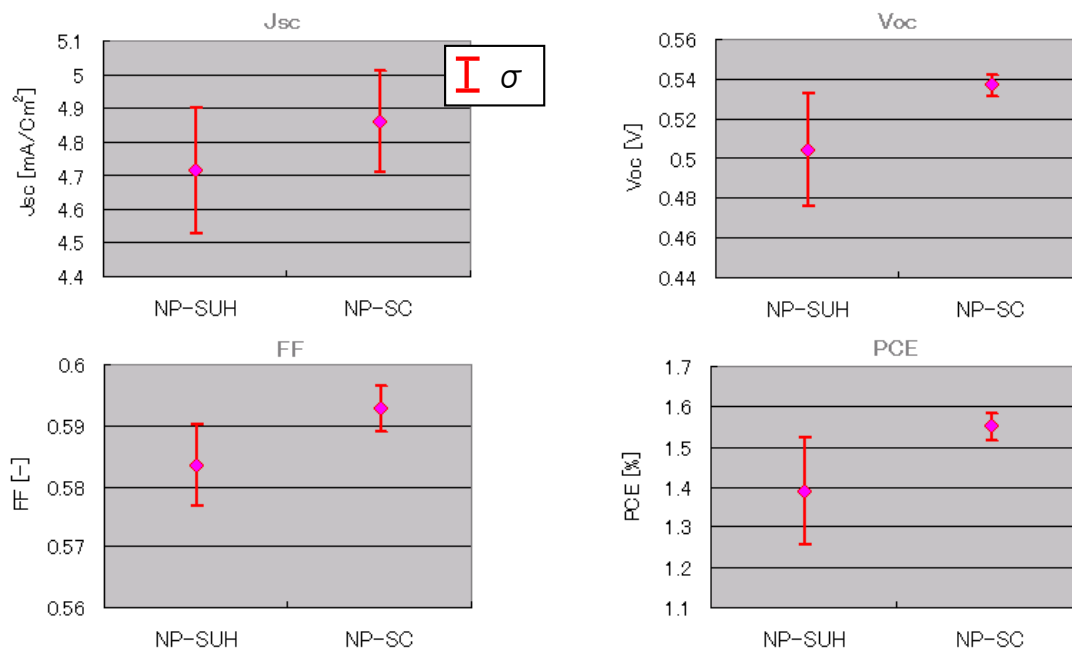
HPLC(area%)

C ₆₀	>99.9	>99.9
C ₇₀	ND	ND
Others	ND	ND

Solvent(wt%)	ND	ND
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All values are typical ones.

Evaluation Results of NP-SUH & SC for PN-type Organic Photovoltaic



Contact:

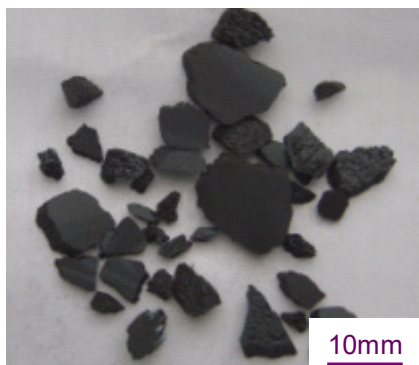
Mr. Osamu KAJIWARA, Sales & Marketing Centre
FRONTIER CARBON CORPORATION

URL : <http://www.f-carbon.com>

E-mail : 6203486@f-carbon.com

Comparison of Two C₆₀s' Crystal Structures

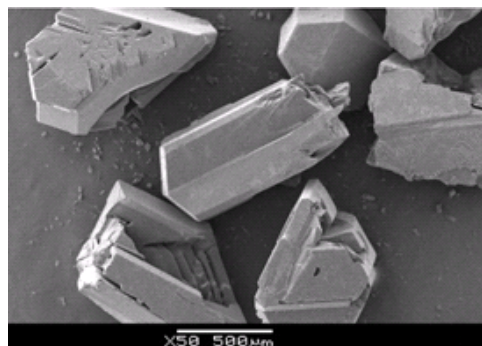
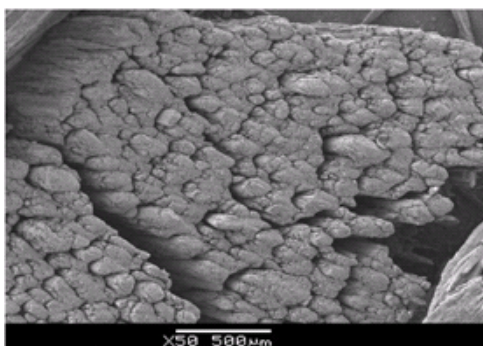
nanom® purple SUH (polycrystal)



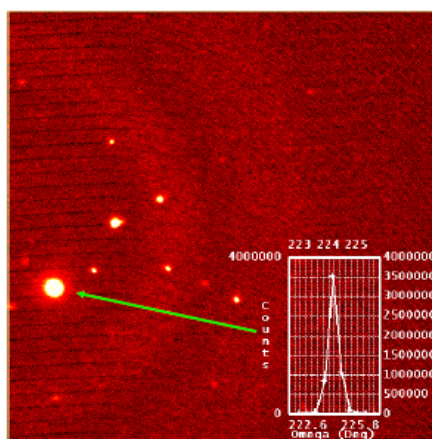
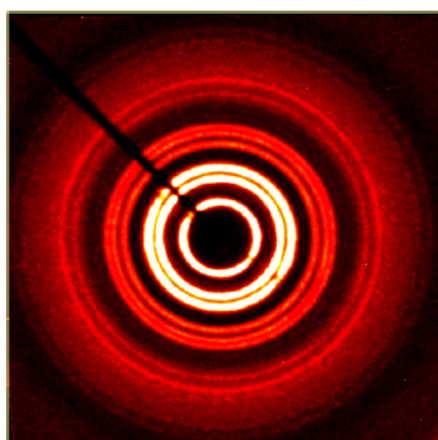
nanom® purple SC (single crystal)



Photographs of particles



Scanning electron microscope



Single-crystal X-ray diffraction

NP-SUH shows ring-shape diffracted images derived from polycrystal structure.
On the other hands, NP-SC shows the ones derived from single crystal.

お問い合わせ先 : <http://www.f-carbon.com/contact.html>
Contact : <http://www.f-carbon.com/eng/contact/index.php>
URL : <http://www.f-carbon.com>

