

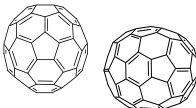
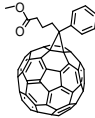
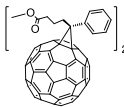
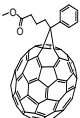

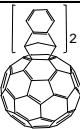
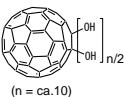
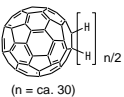


Fullerene Products List

Grades		Structure	Purity(HPLC Area%, typical values) etc	Minimum order quantity (g)
nanom purple Fullerene C ₆₀	STL		96	10
	ST		99	10
	STH		99.5	2
	SU		99.5/Sublimed	2
	SUH		99.9/Sublimed	1
	SC		99.9/Sublimed, Single Crystal	1
nanom orange Fullerene C ₇₀	ST		97	1
	SU		98/Sublimed	0.5
nanom mix Mixed Fullerene	ST		Mixture of C60,C70 and other higher order fullerenes	50
nanom spectra [60]PCBM (phenyl C ₆₁ -butyric acid methyl ester)	E100		99	1
	E100H		99.5	1
	E102		99.9	0.5
nanom spectra E400 bis[60]PCBM (bis-phenyl C ₆₁ -butyric acid methyl ester)			98/Mixture of isomers	1
nanom spectra [70]PCBM (phenyl C ₇₁ -butyric acid methyl ester)	E110		99/Mixture of isomers	0.5
	E112		99.5/Mixture of isomers	0.5
nanom spectra Q100 Indene-C ₆₀ -monoadduct			99	0.5
nanom spectra Q400 Indene-C ₆₀ -bisadducts			99/Mixture of isomers	1
nanom spectra D100 Hydroxylated Fullerene			C ₆₀ (OH) _n n=10:main component	1
nanom spectra A100 Hydrogenated Fullerene			C ₆₀ H _n n=30:main component	1

1/October/2019

Frontier Carbon Corporation

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

Fullerene Products List

Grades	Structure	Purity(HPLC Area%, typical values) etc	Minimum order quantity (g)
nanom spectra J204 tetra(amino)fullerene		mixed fullerene based fullerene derivatives	1
nanom spectra H200 penta(aryl)[60]fullerene		99	1
nanom spectra M100 deca(aryl)[60]fullerene		99/mixture of isomers	1

Solubility in Organic Solvent (Reference Values)

銘柄	Solubility(wt %)							
	PGMEA	PGME	Anisole	CHN	THF	Toluene	ODCB	MeOH
NP-ST	-	-	-	-	-	0.3	1.8	-
NOR-ST	-	-	-	-	-	0.2	1.9	-
NS-E100	0.0	0.0	1.1	0.8	0.1	0.6	1.7	0.0
NS-E110	-	-	-	-	-	3.0	>25	-
NS-E400	1.9	0.4	>25	>25	>25	>25	>25	0.0
NS-Q100	-	-	-	-	-	0.4	-	-
NS-Q400	-	-	-	-	-	>10	-	-
NS-D100	0.0	2.2	0.0	1.0	1.8	0.0	0.0	0.1
NS-F301	>25	>25	>25	17.0	>25	>25	>25	1.8
NS-J204	>25	>25	>25	>25	>25	>25	>25	0.0
NS-H200	>25	>25	1.3	>25	>25	0.0	0.0	>25
NS-M100	>25	>25	0.7	>25	>25	0.0	0.0	>25

※ PGMEA : Propylene Glycol 1-Monomethyl Ether 2-Aceta
 PGME : 1-Methoxy-2-propanol, CHN: Cyclohexanone
 THF : Tetrahydrofurane
 ODCB : o-Dichlorobenzene
 MeOH : Methanol

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