

Fullerenes

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CE: 20ZICE4589C



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Carbon has many allotropes like diamond, graphite, etc. Third carbon cage structure having fused ring system which consists of pentagons and hexagons. Fullerene molecule can be used as an antioxidant because it can easily react with radicals due to the high affinity of the electron. At the same time, Fullerene is used as an anti-aging and anti-damage agent in the cosmetic sector. Fullerenes are also used as antiviral agents. Fullerenes are also impervious as organic photovoltaic (OPV), these are powerful antioxidants, reacting readily and at a high rate with free radicals which are often the cause of cell damage or death. Other uses of C 60 like catalysts, in water purification and biohazard protection, portable power, vehicles and medical.

Quick facts

Product : FullerenesC70
Stock No : NS6130-12-000292
CAS : 15383-22-7
Color : Black
Form : Powder

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Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-12-000292	99.99%	

Specification Technical

Molecular Formula	Molecular Weight	Density	Melting Point	Boiling Point
C70	840.77g/mol	1.7g/cm	280 °C	526.85 °C

Chemical Composition

Product	Weight Percent (nominal)	
	C70	Other Metal
Fullerenes C70	>99.99%	0.1%

Applications

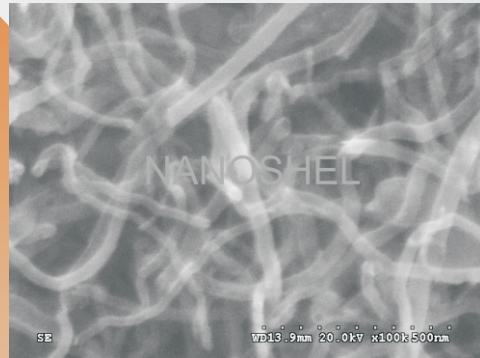
- ✓ As organic photovoltaics (OPV)
- ✓ As antioxidants and biopharmaceuticals
- ✓ As polymer additives
- ✓ As catalysts
- ✓ As water purification and bio-hazard protection catalysts
- ✓ In portable power devices

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Ordering Information and Stock Availability

- ✓ Product: FullerenesC70
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 10Gms, 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders



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Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-12-000292
are available from the Nanoshel Website at
<https://www.nanoshel.com/product/fullerene-c70>

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