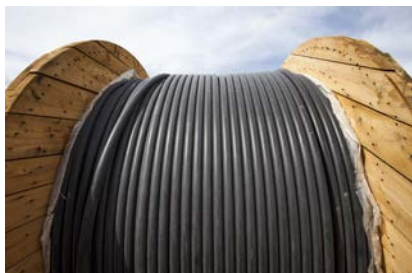


VULCAN[®] XC72R Specialty Carbon Black



Product Highlights

VULCAN XC72R specialty carbon black is a fluffy form of Cabot's VULCAN XC72 conductive carbon black. Its unique properties allow end products to deliver functionality at relatively lower loading levels compared to Cabot's other carbon blacks in the XC family. VULCAN XC72R specialty carbon black has good chemical and physical cleanliness, good processability, as well as low sulfur content and ionic contamination.

Compared to other conductive grades of carbon black, VULCAN XC72R specialty carbon black is typically easier to disperse. In addition to conductivity, VULCAN XC72R specialty carbon black will also allow a high level of jetness in end products.

Key Applications

VULCAN XC72R specialty carbon black is suitable for use across a range of conductive applications:

- ◆ Power storage, including batteries and fuel cells
- ◆ Conductive paper
- ◆ Conductive liquid dispersions
- ◆ Catalyst support

Performance Features

VULCAN XC72R specialty carbon black has several important features:

- ◆ A full range of conductivity performance depending on loading (but typically at lower loadings than other XC carbon blacks or standard carbon blacks)
- ◆ Good dispersion characteristics to promote surface smoothness and preserve mechanical performance of polymer
- ◆ Low sulfur and grit levels
- ◆ Easier to disperse fluffy form

The dispersibility of VULCAN XC72R specialty carbon black will depend on the equipment used and the formulation.

A product with similar morphology, VULCAN XC72 specialty carbon black, is available in an easier to handle pelleted form.

VULCAN® XC72R Specialty Carbon Black

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUES	TEST METHOD
Iodine Number (mg/g)	253	ASTM D1510
OAN (cc/100g)	192	ASTM D2414
325 mesh residue (ppm)	<10	ASTM D1514
Tint (%)	87	ASTM D3265

The data in the table above are typical test values intended as guidance only; they are not product specifications. Product specifications are available upon request from your Cabot representative.

Product Form & Logistics

- ◆ Product Form: Powder
- ◆ Regional availability: Global
- ◆ Bag Packaging Options: 10 kg bags
- ◆ Bulk Packaging Options: Multiple

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative.



NORTH AMERICA

Cabot Corporation Business
and Technical Center
157 Concord Road
Billerica, MA 01821-7001
USA

TEL +1 800 462 2313

FAX +1 978 670 7035

SOUTH AMERICA

Cabot Latin American
Division
Rue do Paraíso, 148 -
5º andar
04103-000, São Paulo,
SP BRAZIL

TEL +55 11 2144 6400

FAX +55 11 3253 0051

EUROPE

SIA Cabot Latvia
101 Mukusalas Street
Riga, LV-1004,
LATVIA

TEL +371 6705 0984

TEL +371 6705 0900

FAX +371 6705 0985

MIDDLE EAST/AFRICA

Cabot Specialty Chemicals
Jebel Ali Free Zone
LOB 15, Office 424
Dubai
UNITED ARAB EMIRATES

TEL +971 4 8871 800

FAX +971 4 8871 801

ASIA PACIFIC

Cabot China Ltd.
558 Shuangbai Road
Shanghai 201108,
CHINA

TEL +86 21 5175 8800

FAX +86 21 6434 5532

JAPAN

Cabot Specialty Chemicals, Inc.
Sumitomo Chiba-Daimon Bldg. 3F
2-5-5 Shiba Daimon,
Minato-ku, Tokyo 105-0012,
JAPAN

TEL +81 3 6820 0255

FAX +81 3 5425 4500

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