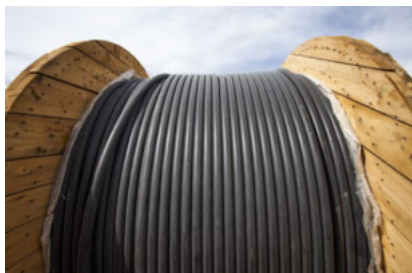


# VULCAN<sup>®</sup> XC72R SPECIALTY CARBON BLACK



### 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: 5 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.

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at [cabotcorp.com](http://cabotcorp.com).

The VULCAN name is a registered trademark of Cabot Corporation.

**NORTH AMERICA**  
Business & Technology Center  
157 Concord Road  
Billerica, MA 01821-7001  
United States  
T +1 800 462 2313  
F +1 978 670 7035

**SOUTH AMERICA**  
Cabot Brasil Industria e  
Comercio Ltda.  
Rua do Paraíso 148 - 5º andar  
04103-000 São Paulo  
Brazil  
T +55 11 2144 6400  
F +55 11 3253 0051

**EUROPE**  
SIA Cabot Latvia  
101 Mukusalas Street  
LV-1004 Riga  
Latvia  
T +371 670 50 900  
F +371 670 50 985

**MIDDLE EAST/AFRICA**  
Cabot Specialty Chemicals  
Jebel Ali Free Zone  
LOB 15, Office 424, Dubai  
United Arab Emirates  
T +971 4 8871 800  
F +971 4 8871 801

**ASIA PACIFIC**  
Cabot China Ltd.  
558 Shuangbai Road  
Minghang District  
Shanghai 201108  
China  
T +86 21 5175 8800  
F +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  
T +81 6820 0255  
F +81 3 5425 4500

The data and conclusions contained herein are based on work believed to be reliable, however, Cabot cannot and does not guarantee that similar results and/or conclusions will be obtained by others. This information is provided as a convenience and for informational purposes only. No guarantee or warranty as to this information, or any product to which it relates, is given or implied. This information may contain inaccuracies, errors or omissions and CABOT DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AS TO (i) SUCH INFORMATION, (ii) ANY PRODUCT OR (iii) INTELLECTUAL PROPERTY INFRINGEMENT. In no event is Cabot responsible for, and Cabot does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.

