

VULCAN® XC72



VULCAN® XC72 is the industry standard with proven performance for conductivity in ESD and power cable semicon applications.

Major Applications

VULCAN XC72 is designed with the power cable industry's cable life expectancy of 30 years in mind. The product's low sulfur and low ash content improves cable life expectancy to help minimize costly replacement of failed in-ground cable.

VULCAN XC72 has, for many years, been the industry standard imparting electrical conductivity in plastics. It is widely used in plastic compounds for electrostatic discharge products.

Performance Features

- Excellent conductivity
- Good chemical and physical cleanliness
- Good processability

Power cable semicon applications – optimized for

- Conductivity
- Surface Smoothness
- Low Sulphur
- Low Ionic contamination
- Ease of Dispersion

Electrostatic Discharge (ESD) Protection Application – optimized for

- Conductivity
- Surface Smoothness
- Mechanical Properties
- Chemical cleanliness

Typical Applications

Medium Voltage Power Cable:

- Fully-bonded Conductor Shield
- Fully-bonded Insulation Shield

Electrostatic Discharge (ESD) Protection Products:

- Packaging for ESD sensitive devices and components
 - IC Carrier Tape
 - IC Trays
 - IC Boxes
 - IC Pouches
- Safety packaging for hazardous goods
- Safety applications in explosive areas

Other Applications

In addition to the applications listed above, this product is used widely in the field of Magnetic Media because of its excellent electrical conductivity. It is also used in Catalyst Supports and as a pigment component of General Dispersions and in Toners.

VULCAN XC 72 is available in either pelleted or fluffy form (VULCAN XC72R). Please note, the VULCAN XC72R has other applications for this pigment including: Adhesives and Sealants and Toners, where it provides pigmentation in addition to electrical conductivity.

MSDS

Material Safety Data Sheets are available from all Regional Sales Offices. The location of the nearest Sales Office can be found on next page.





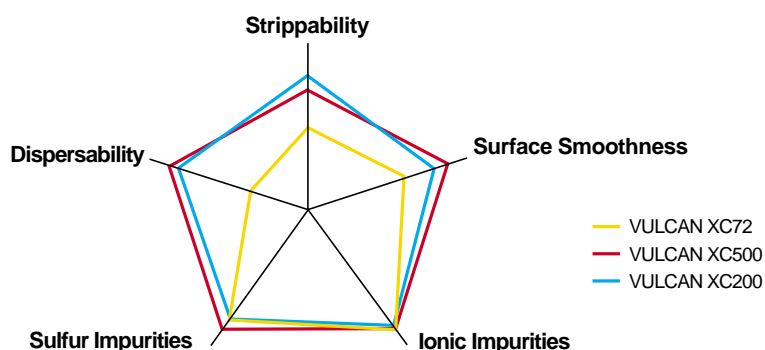
Typical Properties

Property	Value	Test Method
Iodine number (mg/g)	253	ASTM D-1510
OAN (cc/100g)	174	ASTM D-2414
325 Mesh residue (ppm)	<25	ASTM D-1514
Moisture as packed (%)	<1.0	ASTM D-1509
Density (kg/m ³)	264	

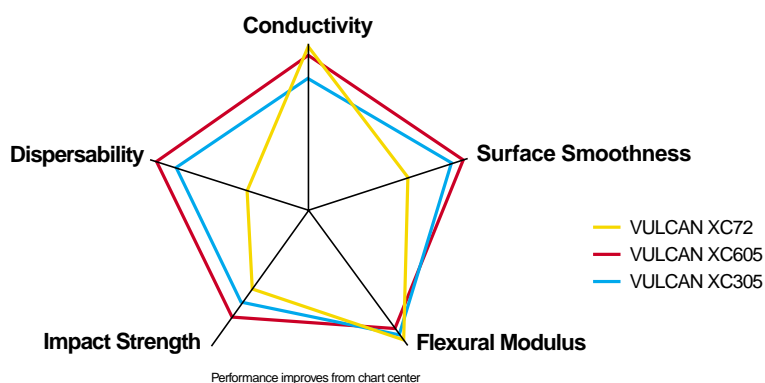
Standard Packaging Options

Bag	15 kg paper	25 lb paper or poly
IBC		950 lb

Semicon-Strippable Shield



Electrostatic Discharge (ESD)



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NORTH AMERICA

Cabot Corporation
157 Concord Road
PO Box 7001
Billerica, MA USA 01821
Tel: +1 978 663 3455
Fax: +1 978 670 7035

SOUTH AMERICA

Cabot Brasil Ind. Com. Ltda
Av. Joao Castadi, 88-Moema
04517-050-Sao Paulo-SP
Brazil
Tel: +55 11 5091 8300
Fax: +55 11 5042 6037

MIDDLE EAST/AFRICA

Cabot Specialty Chem. Inc.
Jebel Ali Free Zone
PO Box 17894
Dubai
United Arab Emirates
Tel: +971 4 8871 800
Fax: +971 4 8871 801

EUROPE

Cabot
Interleuvenlaan 15 I
B - 3001 Leuven
Belgium
Tel: +32 16 39 24 00
Fax: +32 16 39 24 44

ASIA PACIFIC

Cabot Speciality Chemicals, Inc.
Level 21,
MNI Tower 2
11, Jalan Pinang
50450 Kuala Lumpur
Malaysia
Tel: +60 3 2164 8352
Fax: +60 3 2162 0253

CHINA

Cabot Speciality Chemicals, Inc.
Shanghai Rep. Office
558 Shuangbai Road
Shanghai 201108
China
Tel: +86 21 6434 7766
Fax: +86 21 6434 5532