

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.





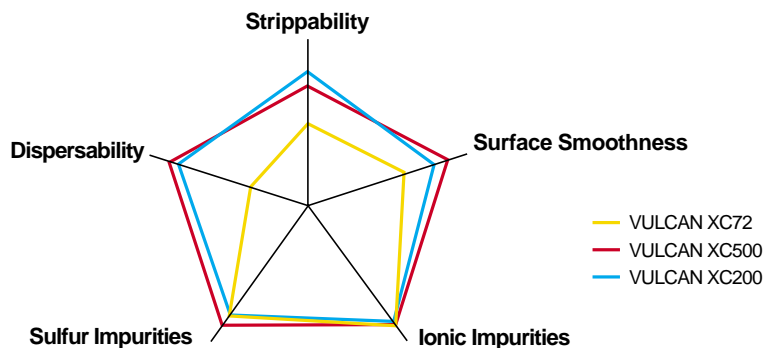
Typical Properties

| 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 | |

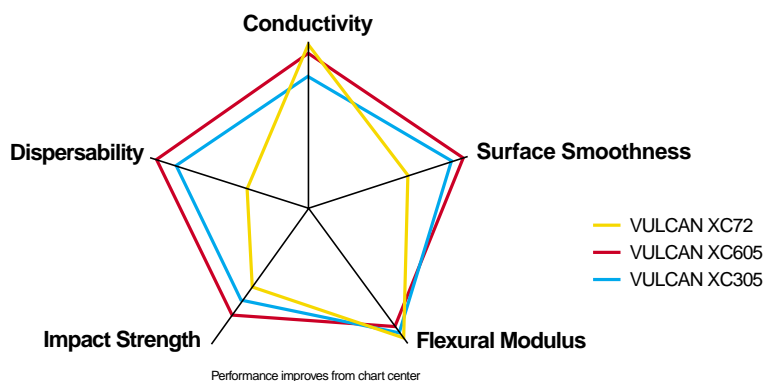
Standard Packaging Options

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

Semicon-Strippable Shield



Electrostatic Discharge (ESD)



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