CARBON BLACK

STERLING® C

The cost-effective choice for conductive and static-dissipative rubber compound applications.

STERLING® C conductive carbon black reaffirms Cabot"s long-standing position as the leading supplier of conductive carbon blacks. The grade is the first in a new family of products developed as an economical alternative for achieving better levels of conductivity and static dissipation in a wide range of rubber compound applications. While not as conductive as VULCAN® XC-72 carbon black. STERLING C carbon black, also facilitiates processing at higher carbon black loadings, which can help reduce overall compouding costs. Compounds employing STERLING C carbon black also maintain a higher level of conductivity after flexing than those using conventional grades.

Performance Features

- Better conductivity than conventional carbon black grades
- Good retention of conductivity after flexing
- Improved processing characteristics at high loadings compared to other conductive blacks
- Lower overall compounding costs
- Excellent abrasion resistance

Typical Applications for STERLING C Carbon Black

- Wire and cable jacketing
- Static-dissipative hoses and belts
- General-purpose static-dissipative parts

STERLING C and other custom carbon black products have been specially developed by Cabot Corporation‘s Industrial Rubber Blacks business as part of the company‘s ongoing commitment to meet existing market needs and provide solutions for future product design and processing challenges.

Cabot Corporation
www.cabot-corp.com

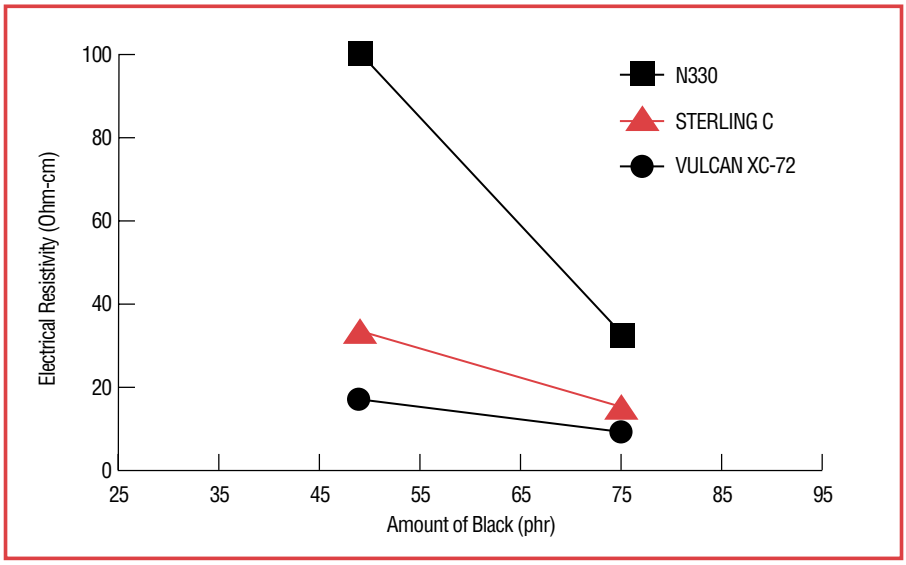
STERLING® C

CARBON BLACK

CABOT
creating what matters

Carbon Blacks's Effect on Conductivity in EPDM

Conductive blacks are used to improve static dissipation in rubber, especially in low-durometer compounds. STERLING C carbon black provides substanially higher conductivity compared to N330 at all loading levels. For even higher levels of conductivity, select VULCAN XC-72 carbon black.



Carbon Black's Effect on Conductivity in SBR

In less conductive polymers such as styrene butadiene rubber (SBR), STERLING C carbon black has an even greater effect on improving conductivity than conventional carbon blacks (N330). For even higher conductivity, select VULCAN XC-72 carbon black.

Resistivity (OHM-CM)

	35 phr	50 phr
VULCAN XC-72	720	53
STERLING C	850	110
N3 30	250,000	5,000

NORTH AMERICA
Cabot Corporation
Rubber Blacks
1095 Windward Ridge Pkwy
Suite 200
Alpharetta, GA 30005
(800) 472-4889
www.cabot-corp.com

SOUTH AMERICA
Cabot Brasil Industria e Comércio Ltda.
Av. João Castaldi, 88
04517-900 São Paulo, SP
Brazil
Tel: (55-11) 5536-0388
www.cabot-corp.com

EUROPE
Cabot Europe Ltd./Cabot Europe/Cabot GIE
Le Nobel 4B
2 rue Marcel Monge
92158 Suresnes Cedex, France
Tel: (33-1) 46-97-58-00
www.cabot-corp.com

ASIA, PACIFIC
Asia Pacific Region
Level 14, MNI Tower 2,
11 Jalan Pinang
50450 Kuala Lumpur, Malaysia
Tel: (60-3) 2164 8352
www.cabot-corp.com

