

STERLING® 142



Description

STERLING® 142 furnace black is a pelleted semi-reinforcing grade of the class previously known as "Semi-Reinforcing Furnace-High Structure black" (SRF-HS) or "General Purpose Furnace-High Structure black" (GPF-HS). The classification in ASTM D1765 is similar to N765 and N650.

STERLING 142 carbon black has a low surface area per unit mass, this indicates high loading capacity and good dynamic properties coupled with lower levels of reinforcement. The particles of STERLING 142 carbon black are highly aggregated, with DBPA and C-DBPA structure values similar to the more reinforcing STERLING® SO, ASTM N550 grade.

Compounds containing STERLING 142 carbon black process easily and may be extruded or calendered at high speed with smooth surfaces, good die definition and good dimensional stability.

Applications

Applications of STERLING 142 carbon black in tire manufacture include tire carcass and tube compounds. The excellent extrusion characteristics of compounds containing STERLING 142 carbon black make this grade ideally suited for the production of extruded articles requiring smooth surfaces and good elasticity. Important examples are automotive door gaskets, weather-strip and seals.

STERLING 142 carbon black also finds application in moulding compounds required to have resistance to creep, coupled with good dynamic properties like engine mountings.

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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