

Coal
Fillers
Incorporated



AUSTIN BLACK[®] A Ground Coal Filler

Austin Black is produced from a high quality, low volatile bituminous coal. It is a dry, finely divided powder recommended for use as a pigment and filler in a wide variety of rubber and plastic products.

COST EFFECTIVE:

Austin Black is one of the most cost effective pigment and mineral fillers available. It has a specific gravity of 1.3. When compared to carbon black with a 1.8 specific gravity and other mineral fillers at 2.6 to 2.9 specific gravity, Austin Black can significantly reduce compound costs.

DISPERSABILITY:

Austin Black readily disperses in natural rubber, synthetic rubbers, and plastics, which reduces mixing time without causing agglomeration or sacrificing the dispersion of other ingredients. The 17% to 20% volatile matter in Austin Black contains inherent oils that act as an internal plasticizer and dispersing aid. It has been recommended that Austin Black be one of the first ingredients added to the compound mix to fully utilize this unique property.

PHYSICAL AND CHEMICAL PROPERTIES:

Austin Black has a platy structure and a ph value of 7.0. Its chemical and ultraviolet resistance should enhance the properties of most rubber and plastic compounds. It will not absorb moisture and can improve air retention and moisture permeation properties in rubber compounds. These facts, plus excellent dielectric properties make Austin Black ideal for compounds requiring good dielectric properties.

ATTRIBUTES OF AUSTIN BLACK IN RUBBER

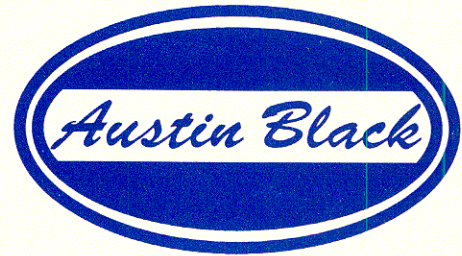
- Combining Austin Black with HAF or FEF carbon blacks will produce better physical properties than thermal or SRF carbon blacks while significantly reducing compound costs.
- Most rubber compounds can be diluted with 5 to 10 parts of Austin Black without impairing the physicals. This may reduce the compound cost by 3 to 4%.
- Austin Black functions as a processing aid. It facilitates air release from compounds which reduces bubble and blister problems.
- Insulation compositions containing other standard fillers deteriorate in electrical properties following immersion in water. Compositions containing Austin Black make it ideal for companies requiring good electrical properties.
- Addition of as little as 20 parts Austin Black will eliminate the disagreeable odor of a Di Cup cure system.
- Austin Black will help minimize migration in a rubber to metal bonded product, and will significantly reduce staining of rubber compositions.

Austin Black is a registered trademark of Coal Fillers Incorporated.

Coal Fillers Inc., State Route 640, Bluefield VA. 24605

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
60 S. Seiberling Street • Akron, Ohio 44305

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AUSTIN BLACK® 325

Product applications and Packaging

RUBBER:

TIRES: Automobile and Light Truck, Bus and Truck, Agricultural, and Specialty.

- Inner liner, carcass, bead/bead filler, side wall, gum, and apex compounds

BELTS: Conveyor and Power Transmission

HOSES: Automotive, Industrial, and Agricultural

GASKETS AND SEALS

COMMERCIAL ROOFING

- EPDM non-reinforced and fabric reinforced sheeting

MECHANICAL GOODS

SEALANTS AND CAULKS

PLASTICS:

POLYOLIFIN CONCENTRATES

PVC PLASTISOLS

OTHERS:

ADHESIVES

METAL PROTECTIVE COATINGS

MOLD RELEASE AGENTS

PAINTS, STAINS, LACQUERS

STANDARD PACKAGES:

25 LB, (11.34 kg) PLASTIC BAG¹

50 LB, (22.68 kg) PLASTIC BAG¹

50 LB, (22.68 kg) KRAFT PAPER BAG

FIBC's (commonly referred to as big bags or super sacks)

1000 LB, (453.7 kg) double stacked on a single pallet

1750 LB, (794.0 kg) single stacked on a pallet

¹ Plastic bags are made of low melt, low density, polyethylene and are typically used as batch inclusion bags. The plastic bag as a DSC melt temperature of 108° C ± 3° C.

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