

VULCAN[®] XCmax[™] 22 carbon black



GENERAL DESCRIPTION

VULCAN XCmax 22 carbon black is a highly conductive carbon black that achieves conductivity at the lowest loadings of furnace carbon blacks.

Incorporating VULCAN XCmax 22 carbon black into formulations typically requires 50% or less of the required loading of other Cabot carbon blacks.

PERFORMANCE FEATURES

VULCAN XCmax 22 carbon black has a unique morphology, allowing users:

- ◆ to achieve a target electrical conductivity at much lower loadings than with other Cabot carbon blacks, while still maintaining good rubber properties.
- ◆ to meet conductivity requirements at low rubber hardness levels.
- ◆ to replace a small portion of carbon black in a current rubber compound to boost electrical conductivity.
- ◆ to reach electrical conductivity levels that can't be achieved with other Cabot carbon blacks.

TYPICAL APPLICATIONS

VULCAN XCmax 22 carbon black is very suitable for use in rubber where low carbon black loadings or very high conductivity are required.

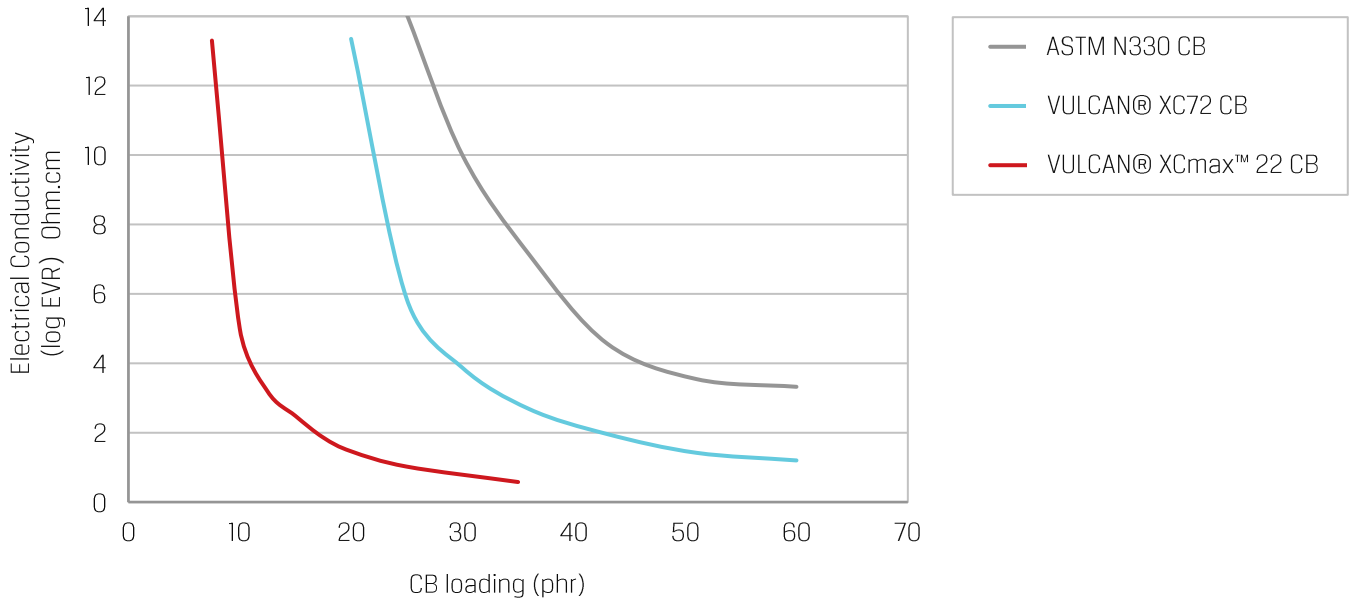
Examples of applications include:

- ◆ The conductive rubber part in self-limiting switch applications.
- ◆ Items sensitive to ESD damage such as ATEX applications, industrial equipment, appliances and electronics goods including packaging and mobile equipment.
- ◆ Automotive products such as fuel hoses, fuel inlets, and serpentine belts.

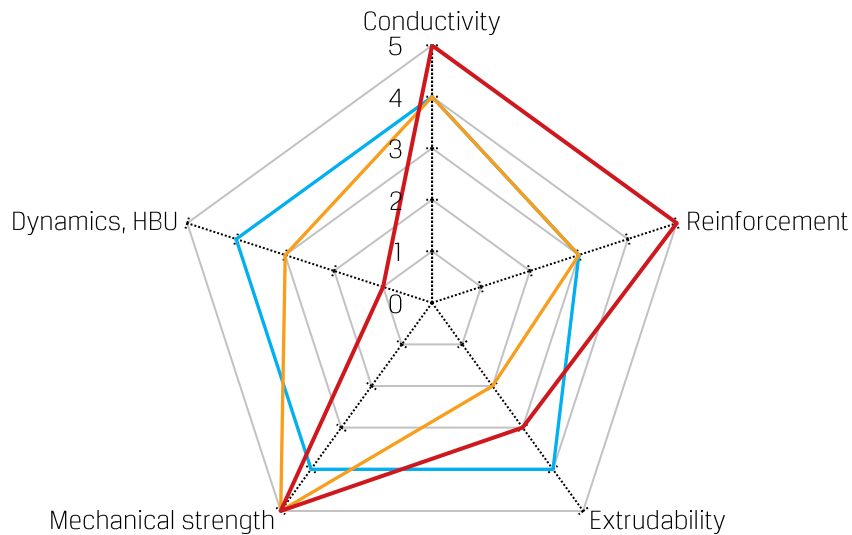
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TECHNICAL DATA

PERCOLATION CURVE IN SULPHUR CURED SBR1500 TEST FORMULATION



IN SULPHUR CURED SBR1500 TEST FORMULATION



For more information, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative at cabotcorp.com/contact.

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