



Combustible Dust Properties of Carbon Black

Birla Carbon's carbon black products include all ASTM, BC, CD, Conductex®, Copeblack®, PM, Raven®, and Ultra® grades.

Carbon black is defined by the U.S. Occupational Safety and Health Administration (OSHA) as a ST-1 combustible dust. This classification indicates that carbon black, if suspended in the optimal concentration of air with an ignition source of sufficient intensity can result in a weak explosion ($K_{st} < 200$ m-bar/sec). Similarly, carbon black requires an ignition source of significant intensity, generally > 100 joules, to ignite any suspended materials. We strongly recommend that our customers have these products tested under conditions representative of their manufacturing process in order to assure that properly designed safeguards are in place to protect personnel and plant operations.

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For additional information or for updates to this information, please email bc.hse@adityabirla.com or visit www.birlacarbon.com

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