

SPHERON[®] SO-LP carbon black



GENERAL DESCRIPTION

The SPHERON[®] carbon black series have been specially developed by Cabot's Industrial Products business as part of Cabot's ongoing commitment to address market needs and promote solutions for future product design and processing challenges.

SPHERON SO-LP carbon black is a pelletized semi-reinforcing carbon black, characterized by a controlled, very low level of polycyclic aromatic hydrocarbons (PAH).



PERFORMANCE FEATURES

SPHERON SO-LP carbon black has been developed for industrial rubber product applications which require a very low PAH content. SPHERON SO-LP carbon black provides viscosity, reinforcement and electrical properties to rubber compounds that are typical of properties observed in compounds made with ASTM N550 type carbon black.

TYPICAL APPLICATIONS

- Industrial Rubber Products requiring very low PAH level
 - Molded consumer products
 - Extruded cables and profiles



SPHERON® SO-LP carbon black

TECHNICAL DATA

SPHERON® SO-LP carbon black has morphology properties that conform to ASTM N550 carbon black target values and is characterized by a controlled, very low polycyclic aromatic hydrocarbon (PAH) content.

	TEST METHOD (ASTM)	UNITS	TYPICAL VALUE
Iodine adsorption number	D1510	mg/kg	43
STSA surface area	D6556	m ² /g	40
Oil absorption number (OAN)	D2414	ml/100g	121
OAN after crushing (COAN)	D3493	ml/100g	84
PAH content *			
Benzo(a)pyrene	Cabot internal test	ppm	2 Max.
Sum of 16 PAH – US EPA List	Cabot internal test	ppm	20 Max.
* Cabot internal test method based on 48 hours toluene extraction (Soxhlet) and GC-MS analysis.			

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