

ElastX™ cct-5400

Recovered Carbon Black



cct Stegelitz GmbH produces recovered carbon black (rCB) for industrial use.

Rather than utilizing costly and highly polluting natural resources as feedstock (i.e. oil), our rCB is produced from post-consumer rubber products, such as tires.

For every full truckload of rCB produced we avoid the consumption of 68 tons of oil and 57 tons of CO₂ emissions*.

Our innovative rCB products provide you with a cost effective solution for your manufacturing process. We strive to provide the most consistent and effective product quality for your needs.

cct-5400 rCB belongs to the **ElastX™** group of products, designed for rubber compounds and applications.

Product Data:

Performance Features:

- Ideal for partial substitution of traditional carbon black grades
- Good mixing efficiency
- Good extrudability
- Ease of dispersion
- Good mechanical properties
- Reduction of gloss
- Shelf-life up to 12 months

Typical Applications:

- Extruded profiles for the automotive and construction industries
- Compression and injection moulding for the automotive industry
- Calendered sheets for the construction industry

Standard Packaging Options:

- 25 kg low-melt PE-bags
- 1000 kg Big Bags

Technical Product Data:

Property	Method / Norm	Unit	Typical Values
<i>Structure and surface</i>			
Nitrogen surface area	ASTM D6556	m ² /g	86
CTAB	ASTM D3765	m ² /g	72
STSA	ASTM D6556	m ² /g	60
Void volume	ASTM D6086a	ml/100g	63
<i>Physical parameters</i>			
Sieve residue 325 mesh	ASTM D1514	ppm	<100
Pour density	ASTM D1513	kg/m ³	475
Automated individual pellet hardness	ASTM D5230	g	35
Attrition	ASTM D1508	%	1,5
Fines content	ASTM D1508	%	3
Moisture	ASTM D1509	%	<1,2



* IPCC, 2006. Guidelines for National Greenhouse Gas Inventories, Volume 3 Industrial Processes and Product Use. Intergovernmental Panel on Climate Change.

The above data was obtained from tests on samples during the time of production and/or packaging of this product. We followed ASTM test methods to produce this information and believe they are reliable and accurate. However, no warranty is made, either expressed or implied regarding the accuracy or the results to be obtained from the use of this information. The user assumes all risk and liability for loss, damage or injury to property or others resulting from the use of the material. No statement is intended nor should be construed as recommendation to infringe existing patents.