



### Good for the Environment

- Waste tyres are taken care of in a controlled, closed process (18 Mtons generated every year).
- The gas generated in the process is used as energy source in the main process.
- The three remaining output streams: oil, steel and carbon black are sold externally whereof both the steel and the carbon black are used in new products – circular economy. The oil can be used as fuel in industrial engines.
- » Each kilo recovered carbon black used as replacement for virgin means savings of up to 1,5 2 kg crude oil.
- » Scandinavian Enviro System is taking one of the largest global waste streams higher up the recycling hierarchy.

# Good for your Company

- Purchasing: a more stable price picture, less linked to the oil price.
- » Corporate Social Responsibility: Increased use of recovered materials and decreased carbon foot print.
- » Marketing: "Greener" material source.



UNII		TEST METHOD
	TYRE MIX FEEDSTOCK)	
m2/g	65-75	ASTM D6556
m2/g	55-60	ASTM D6556
cm3/100g	90-105	ASTM D2414
g	< 55	ASTM D5230
kg/m3	430-490	ASTM D1513
%	< 0,05	ASTM D1514
	6-8	ASTM D1512
%	< 0,7	ASTM D1509
%	18-22%	ASTM D1506
%	2,0-3,0	ASTM D1619
	UNIT m2/g m2/g cm3/100g g kg/m3 % % %	UNITTYPICAL VALUE (SWEDISH TYRE MIX FEEDSTOCK)m2/g65-75m2/g55-60cm3/100g90-105g<55

\* The ash is mainly made up of SiO2 and ZnS

\*\* The sulfur is mainly in the form of ZnS which is not active in the vulcanization process



## Applications verified

- » Grommets 100% replacement, Volvo Cars
- » Gasket 100% replacement, Alvenius
- » Calandered material 50% replacement
- » Truck bellow 100 % replacement
- » Rail shock absorbers 100% replacement
- » Industrial tyres Asian customer

#### Recommendations

Recommendations,for using recovered carbon black "EnviroCB™":

- » Works well to combine with virgin CB
- » Works well in EPDM, SBR, NR, NBR.
- » Works well with both sulphur and peroxid vulcanization.

For further assistance on formulations, please contact us.



### Production methods

- » Injection moulding
- » Calandering
- » Compression moulding



In Åsensbruk, Sweden, you can find the world's first full scale CFC plant for recovering high quality carbon black.

# Contact

For more questions and samples please contact:



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Free samples can be provided in small and medium sized containers. Big bag samples for sale.

