

Ragn-Sells Däckåtervinning AB



June 2017

Coarse rubber granulate, 2.5-4.0 mm

One of the most important materials recycled from end-of-life tires is rubber granulate, which is used in artificial grass, surfaces for horseback riding, and silent asphalt, among other uses. Ragn-Sells Däckåtervinning AB is both a manufacturer and supplier of rubber granulates.

Product:
Coarse

Size:
2.5-4.0 mm

Area of use:
Shooting ranges, padding for artificial turf, etc.

Revision:
2018-01-16

Origin:
SBR (Styrene-Butadiene Rubber).
Waste code (EWC code) 19 12 04 - Plastic and rubber.

Use:
Necessary permits may be required to handle the granulate. Registration or permit application may be required for use.

Packaging:
Big bags + pallet with 1070 kg \pm 5%

Producer:
Ragn-Sells Däckåtervinning AB
Heljestorp 150
SE-462 73 Vänersborg
Sverige



Customer Service (SE) +46 (0)10-723 60 00
Customer Service (NO) +47 815 33 212
ragnsellstyrecycling.com

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Type	Coarse rubber granulate	Standard	Method	Unit	Requirements / Recommendation	Type value
*1	Form	EN 14955		Description	Spherical, moderately angular	According to spec.
*2	Colour	EN ISO 20105-A02		L*a*b	Not specified	Black
*3	Structure	EN 14955			Dense	According to spec.
**4.1	EOX	DIN 18035-7	DIN 38 414 S 17	mg/kg dry matter	≤ 100	≤ 22
**4.2	DOC	DIN 18035-7	DIN EN 1484-H 3	mg/l	≤ 50	≤ 115
**4.3	Pb (in hydrous eluate)	DIN 18035-7	DIN EN ISO 17294-2 E 29	mg/l	≤ 0.025	≤ 0.0005
**4.4	Cd (in hydrous eluate)	DIN 18035-7	DIN EN ISO 17294-2 E 29	mg/l	≤ 0.005	≤ 0.0002
**4.5	Cr total (in hydrous eluate)	DIN 18035-7	DIN EN ISO 17294-2 E 29	mg/l	≤ 0.05	≤ 0.001
**4.6	Cr VI (in hydrous eluate)	DIN 18035-7	DIN 38405-D 24	mg/l	≤ 0.008	≤ 0.005
**4.7	Hg (in hydrous eluate)	DIN 18035-7	DIN EN ISO 17294-2 E 29	mg/l	≤ 0.001	≤ 0.0001
**4.8	Sn (in hydrous eluate)	DIN 18035-7	DIN EN ISO 17294-2 E 29	mg/l	≤ 0.04	≤ 0.014
**4.9	Zn (in hydrous eluate)	DIN 18035-7	SS-EN ISO 11885 2:nd edition.	mg/l	≤ 1.0	≤ 0.1
*5	Deformation under load	ISA Sport		%	≥ 50	74
*6	Residual deformation	ISA Sport		%	≤ 25	6
*7	Abrasion resistance	ISA Sport	ISO 5074:2015	%	≥ 95	99
*8	Bulk density	EN 1097-3		g/l	Not specified	440
*9	Flammability	DIN 51960			Not specified	Class 1, Not flammable
10.1	Grain size	CEN/TS 14243:2010		mm	2.5-4.0	2.5-4.0
10.2	Particle size according to screening curve	CEN/TS 14243:2010				Upon request
*11.1	Free metal contamination		OA-698 Rev. 4, 2010	%	< 0.001	< 0.001
*11.2	Free fibre contamination		ASTM D 5603-01 Clause 7	%	< 0.0005	< 0.00005
*11.3	Free mineral contamination		ASTM D 5603-01 Clause 7	%	< 0.05	0.005
*11.4	Other contaminants		ASTM D 5603-01 Clause 7	%	< 0.001	< 0.001
*12	Inhalable dust	DIN EN 15051		Classification	Very low to low	50 mg/m ³ - Very low to low
***13	Total PAH 8	AfPS GS 2014:01 PAK		Mg/kg TS	20	6.5

* The type value reported is taken from medium infill analyzes assuming the same characteristics and content.

** The type of value reported is taken from medium infill analyzes. The fraction coarse lays less than the fraction medium, why the leaching of media can be used in the material sheet too rough with a worst case argument.

*** The type value of the total PAH 8 is derived from medium infill analyzes assuming that the chemical content is the same.

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