OUTDOOR & INDOOR SHOOTING RANGE EQUIPMENT

BALLISTIC GRANULATE

FEATURES

STAPP® Ballistic rubber granulate stops projectiles without damaging them. This minimizes both airborne lead dust and lead contamination of the ground water. The low flammability of the rubber granulates in combination with the low oxygen atmosphere in the STAPP® EBC makes tracer rounds safe to use.

The specific gradation is carefully selected and tested in order to ensure optimal performance and zero ricochets over many years of intensive use.

STAPP® Ballistic granulate is made from recycled rubber for low environmental impact and low life cycle cost. The granulate is made to very high-quality standards and tightly controlled for performance, dust content and contaminants.

APPLICATIONS

STAPP® Ballistic rubber granulate is the ballistic stopper material in all STAPP® Environmental Bullet Catchers.

BENEFITS

- Safety
- Environmentally friendly
- High performance
- Long service life
- Low life cycle cost

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BALLISTIC GRANULATE

TECHNICAL SPECIFICATIONS

	STAPP Ballistic Rubber Granulate	Standard/ Technical spec	Unit	Requirement	Typical value
1	Form	EN 14955	Description	Spherical, moderate angular	Acc to spec
2	Colour	EN ISO 20105-A02	L*a*b	-	Black
3	Structure	EN 14955		Compact	Acc to spec
4	Environmental				
4.1	EOX	DIN 18035-7	mg/kg	<=100	<=15
4.2	DOC	DIN 18035-7	mg/l	<=50	<=13
4.3	Pb (in aqueous eluate)	DIN 18035-7	mg/l	<=0,025	<=0,0005
4.4	Cd (in aqueous eluate)	DIN 18035-7	mg/l	<=0,005	<=0,0005
4.5	Chrome total (in aqueous eluate)	DIN 18035-7	mg/l	<=0,05	<=0,001
4.6	Chrome VI (in aqueous eluate)	DIN 18035-7	mg/l	<=0,008	<=0,005
4.7	Hg (in aqueous eluate)	DIN 18035-7	mg/l	<=0,001	<=0,0001
4.8	Sn (in aqueous eluate)	DIN 18035-7	mg/l	<=0,04	<=0,001
4.9	Zn (in aqueous eluate)	SS-EN ISO 11885 utg 2 mod	mg/l	<=1,0	<=0,12
5	Deformation under load	ISA	%	>=50%	80%
6	Rest deformation	ISA	%	<=25%	4%
7	Abrasion resistance	ISA	%	>=95%	99%
8	Bulk density	EN 1097-3	g/l	No req.	440
9	Flammability	DIN 51960		No req.	Class 1, Non flammable
10	Granulate size	CEN/TS 14243:2010	mm	>=0,5 <3,15	1,0-2,8
11	Contents <0.8 mm	CEN/TS 14243:2010	%	>=1%	>=1%
12	Free metal contamination	OA-698 Rev 3 2010 1)	%	<0,001%	0%
		ASTM 5601 clause 7.3.2/7.4	%	0,1%	0,012%
13	Free fibre contamination	OA-698 Rev 3 2010 1)	%	<0,0005%	0%
		ASTM 5601 clause 7.3.2/7.4	%	0,5%	0%
14	Free mineral contamination	OA-698 Rev 3 2010		<0,05%	0,010%
		ASTM 5601 clause 7.3.2/7.4	%	Ej kravsatt	
15	Other contaminations	OA-698 Rev 3 20101	%	<0,001%	0,0003%
		ASTM 5601 clause 7.3.2/7.4	%	Ej kravsatt	
16	Inhalable dust	DIN EN 15051	Klassificering	Very low to low	Very low to low
17	TGA (Elastomer %)	FIFA test method 11	%	(>40%)	58%
18	PAH 10 VROM	NEN 7331	mg/kg	<50 mg/kg	26,1

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