PRODUCT DATA SHEET

SBR Rubber Granule 1.6 – 3.15 mm

Product Code: SBR-1540 | Issue Date: July 21, 2026 | Ref: Labosport R221610.03-C1

1. PRODUCT DESCRIPTION

Commercial Name	Rubber Granule GM 1.5 – 4
Product Code	SBR-1540
Material Type	Styrene-Butadiene Rubber (SBR)
Origin	Recycled end-of-life tires (crumb rubber)
Color	Black
Particle Shape	A2 (angular / irregular)
Manufacturer	Eco Green Recycling Group S.A.
Site	Parque Industrial de las Américas, Galeras Miranda 5 y 6, Pacora, Panamá
Website	www.egrg.com.pa
Intended Use	Infill material for synthetic turf (FIFA / World Rugby / EN 15330-1)
Certification Body	Labosport (Accredited laboratory)
Test Report Ref.	R221610.03-C1 — 07/07/2023

2. PHYSICAL PROPERTIES

Parameter	Unit	Test Method	Result	Requirement
Bulk Density	g/cm³	EN 1097-3	**0.42**	—
Particle Size d (min)	mm	EN 933-1	**1.600**	≥ 0.5
Particle Size D (max)	mm	EN 933-1	**3.150**	≤ 3.15
Color	—	Visual	**Black**	Black
Particle Shape	—	EN 14955	**A2**	Pass
Fibre Content	%	EN 14243-2 Annex B	**0.00**	—
Metal Content	%	EN 14243-2 Annex A	**0.00**	—
Other Impurities	%	EN 14243-2 Annex C	**0.008**	—

3. PARTICLE SIZE DISTRIBUTION (EN 933-1)

Sieve (mm)	0.000	0.063	0.200	0.315	0.400	0.500	0.630	0.800	1.000	1.250	1.600	2.000	2.500	3.150	4.000
Passing (%)	0	0	0	0	0	0	0	0	0	1	2	13	63	99	100
Refusal (%)	0	0	0	0	0	0	0	0	0	2	11	50	36	1	0

d = 1.600 mm (largest sieve with < 10% passing) | D = 3.150 mm (smallest sieve with > 90% passing)

4. CHEMICAL & TOXICOLOGICAL PROPERTIES

4.1 PAH — Polycyclic Aromatic Hydrocarbons | Method: US EPA 8270 | Regulation: EU 2021/1199 / NF P 90-112 (2023)

Compound	Result (mg/kg)	EU 2021/1199 Limit	Status
Benzo(a)Pyrene	**0.60**	≤ 100	**PASS**
Benzo(e)Pyrene	**0.66**	≤ 1 000	**PASS**
Benzo(a)Anthracene	**0.49**	≤ 1 000	**PASS**
Chrysene	**0.43**	≤ 1 000	**PASS**
Benzo(J+B)Fluoranthene	**0.55**	≤ 1 000	**PASS**
Benzo(K)Fluoranthene	**< 0.20**	≤ 1 000	**PASS**
Dibenzo(a,h)Anthracene	**< 0.20**	≤ 100	**PASS**
Total 8 PAH	**< 3.13**	**—**	**PASS**
Total 18 PAH	**< 39.48**	**—**	**PASS**

4.2 Heavy Metals — Migration limits by ingestion | Methods: ICP / NF EN ISO 11885 / NF T 90-043 | Standard: NF EN 71-3 Category III

Element	Result (mg/kg)	EN 71-3 Cat III Limit	Status
Aluminium	**2**	< 28 130	**PASS**
Antimony	**< 5**	< 560	**PASS**
Arsenic	**0.05**	< 47	**PASS**
Barium	**2.5**	< 18 750	**PASS**
Boron	**< 2.5**	< 15 000	**PASS**
Cadmium	**< 0.5**	< 17	**PASS**
Chromium III	**< 0.5**	< 460	**PASS**
Chromium VI	**< 0.053**	< 0.053	**PASS**
Cobalt	**< 0.5**	< 130	**PASS**
Copper	**10**	< 7 700	**PASS**
Lead	**< 2.5**	< 23	**PASS**
Manganese	**1**	< 15 000	**PASS**
Mercury	**0.0018**	< 94	**PASS**
Nickel	**< 0.5**	< 930	**PASS**
Selenium	**< 0.1**	< 460	**PASS**
Strontium	**< 0.5**	< 56 000	**PASS**
Tin	**< 2.5**	< 180 000	**PASS**
Zinc	**121**	< 46 000	**PASS**

5. COMPLIANCE SUMMARY

Test Category	Applicable Standard	Result
Polycyclic Aromatic Hydrocarbons (PAH)	EU Regulation 2021/1199 (REACH) / NF P 90-112 (2023)	✔ **PASS**
Heavy Metals — Ingestion Risk	NF EN 71-3 Category III (Polymers)	✔ **PASS**
Physical Identification (FIFA / World Rugby)	NF P 90-112 (2023) / EN 15330-1	✔ **PASS**

6. HANDLING, STORAGE & SAFETY

Packaging	Bulk / Big-bags / As agreed with customer
Storage	Cool, dry, well-ventilated area away from direct sunlight and heat
Shelf Life	Indefinite under proper storage conditions
Handling	Avoid dust generation. Use adequate ventilation. Wear FFP2 dust mask in confined spaces
Skin / Eye Contact	Wash with soap and water. Consult physician if irritation persists
Fire	Combustible solid. Use CO_2, dry chemical or foam extinguisher
Disposal	Comply with local regulations for rubber / polymeric waste