

Technical Data Sheet

GommAmica® Powerfill Green

Description

Gommamica® Powerfill complies with the norms currently in force ruling the installation of sport surfaces in many countries, including LND, DIN, AFNOR and FIFA.

Origin

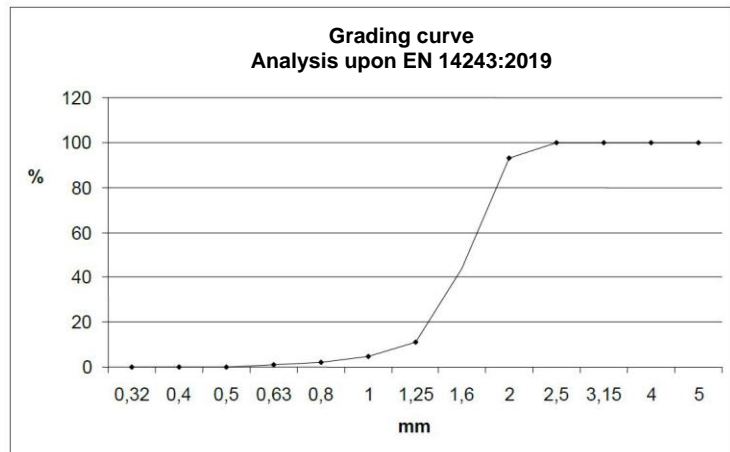
Car and truck tires (main European brands).

Coating

Polyurethane resin.

Colour

Fieldgreen.



Applications

Green rubber granulate especially conceived as infill material for football, five-a-side football and rugby synthetic turf fields.

Product approved by LND (Lega Nazionale Dilettanti).

Production technology

The product is obtained through a process of mechanical grinding and magnetic separation of the debris. Then, it is coated with high-strength polyurethane resin. The coating can be realised in one, two or three layers.

Product and technical details



Physical features	Kg/dm ³
Specific weight	1,19 (+/- 0,02)
Density	0,48 (+/- 0,02)

Chemical features	%
Carbon Black	28 (+/- 2)
Cinder	8 (+/- 2)
Rubber (Hydrocarbon)	50 (+/- 2)

Technical data

Mechanical features		Method
Abrasion resistance	No alteration after 20.000 cycles	LISPORT
Elasticity and flexibility	No alteration between -20° and 70° C	
Water solubility	None	
UVA/UVB resistance	Good	

Certificates



ISO 9001:2015 - Commercial distribution of rubber materials and products, including recycled ones.

ISO 14001:2015 - Commercial distribution of rubber materials and products, including recycled ones.

ReMade in Italy – Product certification IT324541

LABOSPORT - 21-0383IT – Certification of performance infill in coated vulcanised rubber. F.I.G.C – L.N.D.

L.N.D. – ELA/C – 002 - Performance infill in coated vulcanised rubber.

F.I.F.A. EN 15330-1 and EN 14836 :2006 – Synthetic surfaces for outdoor sports areas. Exposure to artificial weathering.

prEN 15330-5:2022 - Surfaces for sport areas — Synthetic turf and textile sports surfaces.

DIN SPEC 18035-7:2014 – Chemical analysis of performance infill.

AFNOR NF P90-112: Sports grounds - Unbound mineral surfaces for outdoor sport areas - Specifications for construction.

IRB World Rugby: Artificial Turf Performance Specification.

EN 71-3:2019 +A1:2021 - Migration of Certain Elements.

AfPS GS 2014:01 PAK - Testing and assessment of polycyclic aromatic hydrocarbons (PAHs).

Permanent Agglomeration Temperature (P.A.T.)

UNI EN ISO 11925:2:2010/EC 1/2011 - Fire resistance.