



Technical Data Sheet

Manufacturing process:

The worn tyres are continuously grounded during the manufacturing process. The other substances, such as the metals and fabric fibers are separated from the rubber. Careful saving ensures the absence of any granules with sizes out of the Specifications.

Composition:

Typical composition values, which don't represent specifications, are:

- Styrol-butadiene based synthetic rubber.
- Carbon black.
- Mineral loads.

Granules Size:

Rubber granules size and their distribution on the granular metric curve are realized in order to maintain performance characteristics overtime. The below sizes fall between 1.0mm-3.0mm Code GR13.

- Physical density: 1.5 Kg/ lt
- Apparent density: 1.5 Kg/ lt
- Bulk density: [g /cm³] 0.4 g /cm³ EN 1097-3
- Application rate [kg/ m²] 15 kg/m²
- Hardness: Shore A 55/60
- Color & Particle shape: Black & angular



Purity:

The manufacturing process guarantees 98% purity, which involves the absence of extraneous materials, such as metal or fiber.

UV resistance:

The characteristics of the source material, associated with its prior use, make the rubber granules very resistant to degradation due to exposure to UV light.

Ecological-environmental Requirements:

NFILLPRO-P granules fully comply with the parameters described in the standard DIN 18035-7 p.6. specifically governing the characteristics of infilling materials used with artificial grass sports surfaces.

Advantages:

fields filled with rubber granules allow the attainment of:

- Shock absorption and energy restitution results according with the Requirements of national and international regulations.
- reductions of the risks of abrasion for the players.
- excellent water drainage.
- no limitations in the use of regulation sports shoes.
- reduced compaction over time.



Packaging:

Jumbo Bags of approx.1,000 kg/each size 90x90x200cm without pallet. Or Small bags 50 kg with total of 500 - 650 kg /pallet size 1x1.2 m

Storage and Handling Precautions:

- Smoking, eating or drinking should be prohibited in areas of storage and use.
- Employ good housekeeping standards to minimize the build-up of dusts and avoid the possibility of spontaneous combustion.
- Avoid inhalation of dusts and prevent the formation of dusts in concentrations above the Flammable, Explosive or Occupational Exposure Limits.

Personal Protection:

- Provide adequate ventilation and where this is inadequate local forced ventilation or extraction may be necessary. Where this is not possible, suitable respiratory equipment should be worn.
- Suitable eye protection should be worn to prevent the ingress of material.
- Cotton/synthetic coveralls are normally suitable.
- overalls are normally suitable.



First Aid:

Eye Contact – Remove contact lenses. Irrigate copiously with clean freshwater for at least 10 minutes.

Skin Contact – Wash thoroughly with soap and water and a proprietary skin cleanser.

Ingestion – If accidentally swallowed seek medical attention.

Inhalation of fines/dust – Remove to fresh air.

If any symptoms persist, seek medical attention.

Physical/Chemical Properties:

Rubber granules with a slight odor.

Immiscible with water.

Stable under recommended storage conditions.

Keep away from oxidizing agents and strongly acidic or alkaline materials.

Fire may liberate hazardous decomposition products.

Toxicology:

No available data for this product

Ecological Information:

This product is non-biodegradable. Keep out of watercourses and drains.



Accidental Release:

Exclude all sources of ignition and ventilate area. Exclude non-essential personnel. Avoid dry brushing of spilled material as this may cause dust clouds or static build up.

Fire Fighting:

Extinguish using CO² powder, water spray/mist.

Do not allow run-off to enter sewers or watercourses.

Fire will produce dense black smoke containing hazardous combustion products. Appropriate self-contained breathing apparatus may be required.

Notes

the information contained in this data sheet is based on our best knowledge and experience, however given the range of process systems and applications, we cannot assume any guarantees for individual cases.

National Rubber Industry LLC reserves the right to make variations to the above products in order to improve quality, without any prior warning

Eng. Tariq Al Mansori
General Manager
National Rubber Ind.