



TECHNICAL DATA SHEET

TPV

Artificial grass infill

DESCRIPTION

GENERAL

TPV is a coloured granulate product designed **specifically** as a granular infill for artificial turf sports pitches.

It is produced using state of the art technology under strict in-house quality controls.

It is a virgin material produced from a high-grade polymer, which is free from Zinc, sulphur, polyaromatic hydrocarbons, heavy metals and Phthalates.

Contrary to popular belief, being a vulcanised thermoplastic material does **not** mean that TPV will leach out harmful sulphurs or peroxides into the environment. Unlike TPE's (Thermoplastic elastomers) the vulcanisation process ensures that the granule will continue to perform in all weather extremes. TPE's tend to fail above a certain temperature.

TPV is ideal for use all over the world irrespective of weather conditions and temperatures.

It has been formulated to give optimum performance at a realistic price.

TPV offers excellent thermal stability and is non reactive with Polypropylene or Polyethylene artificial turf and does **not** affect the fibre colours. The product is UV stable and weather resistant. It will not embrittle with age.

TPV can be recycled.

TPV will not self ignite nor will it assist to further fuel a fire.

It is the ideal alternative to combat the potential harmful effects to health and environment which could be encountered by other products on the market.

TPV offers you the next generation in artificial grass infill and meets the criteria set by the FIFA 2 STAR CONCEPT. A full range of test reports are available.

- **TPV** is highly durable and provided that the grass manufacturer's maintenance guidelines are adhered to then the infill should offer optimum performance for the life of the artificial pitch.

Please refer to brochure for additional information.

HEALTH AND SAFETY

- No risk towards human health and/or environment because of carefully selected ingredients
- Absence of toxic or carcinogenic ingredients
- It is also recommended that you refer to the information offered in the material safety data sheet (MSDS) for this product.

TYPICAL PROPERTIES

TPV

Appearance	Angular granules
S.G.	1.55 Kg/dm ³ Tolerance \pm 0.05
Hardness Shore A	65°A Tolerance \pm 5
Tensile Strength	>3.0 mpa
Elongation @ break`	>400%
Tg	-44°c
Particle size	in a range from 0.5 –2.5 mm
Colours currently available	a range of 16 colours All colours are UV stable

All colours can be made to a fully flame retardant grade particularly recommended if specified for indoor use