



TECHNICAL DATA SHEET TPV 'In-Play' Granulate for Rubberised Surfaces

DESCRIPTION

GENERAL

TPV is a colored granulate designed and manufactured by **Rosehill Polymers Ltd** and is the alternative to the granules presently available for the use in impact absorbing rubberised sports surfaces.

It is produced here at our factory 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.

It contains no clay fillers.

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 other TPE's the vulcanisation process ensures that the granule will continue to perform in all weather extremes. It 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 does **not** leach out carbon black or colored pigments like many of its rivals on the market. The product is UV stable and weather resistant. It will not embrittle with age.

TPV has been formulated using the best possible quality base polymers that are known to give excellent general chemical resistance. It is expected that the **TPV** will show good resistance to everyday chemicals, e.g. Chlorine, allowing widespread use of the granules in a number of areas.

TPV offers color consistency from bag to bag.

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

TPV offers you the next generation of consistent colored granulate for a resilient, hard wearing indoor or outdoor safety surface.

- **TPV** is highly durable and is seen as a major breakthrough for the use in children's safety surfacing, multi-games areas (MUGA'S), swimming pool surrounds, running tracks and rubber play tile production. It offers excellent compatibility with polyurethane binders and adhesives. It also compliments our Flexisport and Flexitop anti slip spray coatings.
- **TPV** is also used as an Artificial Grass infill. Please refer to separate brochure for more information.

Please contact our Sales Dept for further information on TPV 'In-Play' and 'In-Fill', together with our full range of polyurethane binders and adhesives.

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 ± 0.05
Hardness Shore A	65°A Tolerance ± 5
Tensile Strength	>3.0 mpa
Elongation @ break`	>400%
Particle size	1-4mm, 1-3mm 0.5mm- 2.5mm for grass infill 0.5mm- 1.5mm for Sports & Spray applications
Colors currently available	24 colors available – All colors are UV stable

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

TPV 'In-fill' has been tested by ISA SPORT and LABOSPORT and is deemed to meet the criteria set within the FIFA 2 star concept – See TPV 'In-fill' data sheet for more information.