



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

DESCRIPTION

GENERAL

TPV is a coloured 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.

The material is produced using a high quality virgin polymer. The product has been formulated without the incorporation of sulphur, clay fillers, heavy metals such as Zinc and Phthalate plasticizers.

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 coloured pigments like many of its rivals on the market. The product is UV stable and weather resistant. It will not embrittle with age.

TPV offers colour consistency from bag to bag.

TPV will not self ignite nor is it flammable.

TPV offers you the next generation of consistent coloured granulate for a resilient, hardwearing 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), general sports surfacing, swimming pool surrounds, running tracks and rubber play tile production. It offers excellent compatibility with polyurethane binders and adhesives. It also compliments our Flexi SC structural spray topping.
- **TPV** is also used as an Artificial Grass infill. Please refer to separate brochure for more information.

Please contact our Sales Dept on 00 44 (1422) 839456 for further information on TPV 'In-Play', TPV 'INSPORT' and TPV '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 for sports & play surfaces
Other grades available, please refer to relevant data sheet	0.5 - 2.5mm for grass infill 0.5mm -1.5mm for sports & Spray applications
Colours currently available	18 colours available – refer to sample pack All colours are UV stable
All colours can be made to a fully flame retardant grade, particularly recommended if specified for indoor use.	