

**TECHNICAL DATA SHEET**  
**TPV Colored Granules**

**GENERAL**

Rosehill 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 rubberized 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 ROSEHILL TPV will leach out harmful sulphurs or peroxides into the environment. Unlike 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. ROSEHILL 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 brittle with age.

ROSEHILL TPV offers better color consistency from bag to bag. ROSEHILL TPV will not self-ignite nor is it flammable. ROSEHILL TPV offers you the next generation of consistent colored granulate for a resilient, hardwearing indoor or outdoor safety surface. ROSEHILL TPV is highly durable and is seen as a major breakthrough for the use in children's safety surfacing, multigame 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. ROSEHILL TPV is also used as an Artificial Grass infill. Please contact our sales department with any questions.

**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 <sup>3</sup>
Tolerance	± 0.05
BASE POLYMER CONTENT	>20%
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
Colors currently available	Over 24 colors available – refer to sample pack All colors offer greater UV stability than current competitor materials.

**SIEVE ANALYSIS**

> 4.00mm	0 – 5%
3.35 – 4.00mm	5 – 20%
2.36 – 3.35mm	40 – 60%
1.70 – 2.36mm	15 – 35%
1.00 – 1.70mm	5 – 20%
< 1.00mm	0 – 1%

**Handling**

Wear proper protective equipment at all times. Avoid contact with skin and eyes. In the event of eye contact, flush eyes thoroughly with water and seek medical attention. Consult SDS before handling and observe all recommended safety and handling practices. Pressure can build up in new and previously opened containers, open all containers carefully. Protect open containers from moisture. Dispose of contaminated materials and empty containers in accordance with Federal, State, and Local regulations.

**Customer Notice**

ARC encourages its customers to review their application of ARC products from the standpoint of human health and environmental quality. To help ensure that ARC products are not used in ways for which they were not intended or tested, ARC personnel will assist customers in dealing with ecological and products safety. Your ARC sales representative can arrange the proper contacts.

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**NOTICE:** The information and data contained herein do not constitute sales specifications. The product properties may be changed without notice. No liability, warranty or guarantee of product performance is created by this document. It is the Buyer's responsibility to determine whether ARC products are appropriate for Buyer's use and to ensure that Buyer's workplace and disposal practices are in compliance with applicable laws and regulations. No freedom from any patents owned by ARC or other industrial or intellectual property rights is granted or to be inferred.

