

TPV 990

GENERAL CHARACTERISTICS

TPV 990 is a coloured granulate and is the alternative to the granules presently available for the use in impact absorbing rubberised sports surfaces.

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 990 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.

TPV 990 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 990 offers better colour consistency from bag to bag.

TPV 990 will not self-ignite nor is it flammable.

TPV 990 offers you the next generation of consistent coloured granulate for a resilient, hardwearing indoor or outdoor safety surface.

- **TPV 990** 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 990** is also used as an Artificial Grass infill. Please refer to separate brochure for more information.

TECHNICAL DATA

Appearance	Angular granules
S.G.	1.55 kg/dm ³ Tolerance ± 0.05
BASE POLYMER CONTENT	>20%
Hardness Shore A	65°A Tolerance ± 5
Tensile Strength	>3.0 mpa
Elongation @ break`	>400%
Particle size surfaces	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 : Over 24 colours available – refer to sample pack

All colours 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%

REMARKS

- 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.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.