



# BOUNCE TPV RUBBER GRANULES

Bounce TPV (Thermoplastic Vulcanizate) rubber combines the flexibility of elastomers with the durability of plastics, making it an excellent choice for wetpour surfaces that need resilience and flexibility. These granules are highly versatile, often used in playgrounds and sports areas, where comfort and safety are key. Available in an array of colours, TPV is a preferred option when both aesthetics and functionality are essential.

## GENERAL DESCRIPTION

Bounce TPV is a high-performance coloured rubber granule engineered for use in impact-absorbing play, sports, and recreational surfacing. Manufactured in Turkey using a continuous extrusion process, ALORO TPV® delivers consistent granule quality, colour distribution, and precise particle sizing.

Formulated with premium virgin polymers and without harmful additives such as heavy metals or phthalates, Bounce TPV provides a durable and safe alternative to EPDM and colour-coated rubber granules. Production is conducted under an ISO 9001:2008 certified quality management system to ensure a reliable, high-quality product for every project.

## COLOUR RANGE



Note: These colour swatches serve as an approximation only. Actual rubber colour may vary due to differences between screen or print colour as shown, and the true colour of the product.

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## ADVANTAGES

- UV and Weather Resistance**  
 Bounce TPV is designed to withstand extreme weather and prolonged sun exposure. The advanced UV stabilisers maintain colour vibrancy and flexibility over time.
- Non-Toxic and Child-Safe**  
 Free from heavy metals, PAHs, and phthalate plasticisers, Bounce TPV complies with EN 71-3 and REACH standards for health and environmental safety.
- Exceptional Durability**  
 With high resistance to wear, impact, and cracking, Bounce TPV is built for long-term use in high-traffic areas such as playgrounds, walkways, and sports courts.
- Fire Safety Rated**  
 Flame-retardant in accordance with TS EN 13501-1 + A1:2013, offering additional peace of mind in safety-sensitive environments.
- Low Binder Consumption**  
 The non-porous surface of Bounce TPV promotes strong bonding with polyurethane binders, helping reduce binder use and installation costs.
- Vibrant Colour Range**  
 Available in an extensive selection of over 25 RAL-matched colours, including custom blends for creative design flexibility.
- Consistent Sizing Options**  
 Granules are available in multiple controlled size ranges (e.g., 0.5-1.5 mm, 1-4 mm), suitable for various applications from softfall surfacing to rubber tiles.
- Environmentally Responsible**  
 Manufactured with a commitment to sustainability and safe materials, Bounce TPV is an eco-conscious choice for modern surfacing solutions.

## SPECIFICATIONS

<b>GRANULE SHAPE</b>	Angular
<b>SPECIFIC GRAVITY</b>	1.55 g/cm <sup>3</sup> (±0.05)
<b>HARDNESS SHORE A</b>	65° A (±5)
<b>TENSILE STRENGTH</b>	>5.0 Mpa
<b>ELONGATION AT BREAK</b>	>550-650%
<b>PARTICLE SIZE</b>	1.0 - 4.0 mm 0.5 - 2.5 mm 0.5 - 2.0 mm 0.5 - 1.5 mm
<b>TYPICAL PARTICLE SIZE DISTRIBUTION (for 1.0 - 4.0 mm)</b>	Over 3.35 mm: 5% 2.5 - 3.35 mm: 49% 2.0 - 2.5 mm: 21% 1.7 - 2.0 mm: 12% 1.0 - 1.7 mm: 12.5% Less than 1.0 mm: 0.5%

