

Sutper®TPE R2010003

Product Description

A soft, colorable SBS-based thermoplastic elastomer (TPE) compound. The product has uniform particle size and is free of impurities, offering excellent physical properties and chemical resistance.

Specifications

Applications	•TR Sole material
Environmental	•RoHS compliant
Appearance	•natural color
Form	•Granules
Molding method	•Injection molding
Availability	•Europe •North America •Asia •Africa & Middle East

Physical Properties	Typical Value	Unit	Test Method
Density	0.99	g/cm ³	ASTM D792
Melt Flow Index (190°C*2.16kg)	6	g/10min	ASTM D1238

Hardness	Typical Value	Unit	Test Method
Shore A,10sec,23°C	60	A	ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
100% Tensile Strength - vertical flow (23°C)	1.5	Mpa	ASTM D412
Tensile Strength - Vertical Flow (23°C)	4	Mpa	ASTM D412
Break Elongation-Vertical Flow23°C	300	%	ASTM D412
Tear Strength -Vertical Flow 23°C Die C	25	KN/m	ASTM D624

Additional Information

- The above test data were obtained using fan gate injection molded specimens with dimensions of 110 mm × 80 mm × 2 mm. The tensile strength, elongation at break, and stress at a given elongation were tested perpendicular to the flow direction, while tear strength was tested along the flow direction.
- The properties listed are typical and should not be considered technical specifications or part of an agreement.
- The user should be aware that Sutper needs to confirm all final details before taking any action based on the information and recommendations in this document.

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