

Sutper®TPE E1020003

Product Description

A soft, colorable SEBS-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	•Single-component injection molding Pet toy 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	1.19	g/cm ³	ASTM D792
Melt Flow Index (190°C*2.16kg)	25	g/10min	ASTM D1238

Hardness	Typical Value	Unit	Test Method
Shore A,1sec,23°C	25	A	ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
100% Tensile Strength - Vertical Flow (23°C)	1.2	Mpa	ASTM D412
Tensile Strength - Vertical Flow (23°C)	2.5	Mpa	ASTM D412
Break Elongation-Vertical Flow23°C	450	%	ASTM D412
Tear Strength -Vertical Flow 23°C Die C	18	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.