

Sutper®TPE X2010008

Product Description

This product is a type of thermoplastic elastomer (TPE), specifically designed for high-rebound, soft shoe materials. It features excellent physical and mechanical properties, superior chemical resistance, and elasticity, making it ideal for use in the composite footwear industry.

Specifications

Applications	•Soft and elastic feel, does not react with DCP
Environmental	•RoHS compliant
Appearance	•Translucent
Form	•Granules
Molding method	•Injection molding
Availability	•Europe •North America •Asia •Africa & Middle East

Physical Properties	Typical Value	Unit	Test Method
Density	1.03	g/cm ³	ASTM D792
Melt Flow Index (230°C*5kg)	2	g/10min	ASTM D1238

Hardness	Typical Value	Unit	Test Method
Shore A,10sec,23°C	29	A	ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
100% Tensile Strength - vertical flow (23°C)	0.5	Mpa	ASTM D412
Tensile Strength - Vertical Flow (23°C)	6.6	Mpa	ASTM D412
Break Elongation-Vertical Flow23°C	843	%	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 compression rate for compression set is 25%.
- 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.

Site: <https://www.sutper.com>