



# Topolymer<sup>®</sup> 8201-851T

## Styrenic Thermoplastic Elastomer

### Product Description

Topolymer<sup>®</sup> 8201-851T is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be over-molded onto PP or used for single molding. This grade is designed for injection molding. It is completely recyclable.

### General

Appearance	√Translucent		
Feature	√Soft Touch	√Easy Coloring	√Tear Resistance
Compliance	√RoHS	√REACH	√FDA
Form	√Pellet		
Packaging	√25kg/bag		

### Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	85	Shore A	ASTM D2240
Density	0.89	g/cm <sup>3</sup>	ASTM D792
Tensile Strength at break	15.5	MPa	ASTM D412
Tensile Strength at 100%	4.4	MPa	ASTM D412
Elongation at Break	713	%	ASTM D412
Tear Strength	59	KN/m	ASTM D624
Compression Set at 23°C x 22hr	26	%	ASTM D395B

The data are not to be defined as specifications.

**Processing Information**

Injection	Typical Value
Rear Temperature	170-180°C
Middle Temperature	180-200°C
Front Temperature	180-210°C
Nozzle Temperature	190-220°C
Mold Temperature	25-60°C
Injection Rate	Fast/Medium
Back Pressure	0.35-0.7MPa
Screw Speed	30-80rpm
Screw L/D Ratio	22:1
Screw Compression Ratio	2:1-4:1

## Notes:

- 1) The product is incompatible with PVC. Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR) Polyethylene (PE) or Polypropylene (PP).
- 2) Color concentrate with PP, LDPE or EVA based carrier is recommended.
- 3) Drying is not required. However, if moisture is a problem or to get better appearance, dry pellets for 3 hours at 60°C.

**Contact Information**

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