



# Topolymer® 6231-851N

## Styrenic Thermoplastic Elastomer

### Product Description

Topolymer® 6231-851N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be over-molded onto PS or used for single molding. This grade can be processed on conventional thermoplastics equipments for Blow Molding, Extrusion or other hot melt processes. It is completely recyclable.

### General

Appearance	√Natural Color		
Feature	√Soft Touch	√Easy Coloring	√Paintable
Compliance	√RoHS	√REACH	√FDA
Form	√Pellet		
Packaging	√25kg/bag		

### Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	86	Shore A	ASTM D2240
Density	1.05	g/cm <sup>3</sup>	ASTM D792
Tensile Strength at break	9.3	MPa	ASTM D412
Tensile Strength at 100%	7	MPa	ASTM D412
Elongation at Break	292	%	ASTM D412
Tear Strength	58	KN/m	ASTM D624
Compression Set at 23°C x 22hr	30	%	ASTM D395B

The data are not to be defined as specifications.

**Processing Information**

<b>Extrusion</b>	<b>Typical Value</b>
Melt Temp	190-230°C
Rear Temperature	150-170°C
Middle Temperature	180-230°C
Front Temperature	180-230°C
Head Temperature	180-210°C
DieTemperature	180-210°C
Filter	100 -150 mesh
Compress Ratio	2.8:1

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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