



# Topolymer<sup>®</sup> 3412-851N

## Styrenic Thermoplastic Elastomer

### Product Description

Topolymer<sup>®</sup> 3412-851N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be widely used in communication cable, earphone cord, USB cable, sealing strip, etc. This grade is designed for extrusion, and can be co-extruded with PP or PE. It is completely recyclable.

### General

Appearance	√Natural Color		
Feature	√Soft Touch	√Tear Resistance	√Kink Resistance
	√Dimensional Stability	√Weather Resistance	√Heat Resistance
Compliance	√RoHS	√REACH	√FDA
Form	√Pellet		
Packaging	√25kg/bag		

### Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	82	Shore A	ASTM D-2240
Density	1.02	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength at break	12.2	MPa	ASTM D-412
Tensile Strength at 100%	4	MPa	ASTM D-412
Elongation at Break	690	%	ASTM D-412
Tear Strength	62	KN/m	ASTM D624
Compression Set at 23°C x 22hr	22	%	ASTM D395B

The data are not to be defined as specifications

**Processing Information**

Extrusion	Typical Value
Melt Temp	170-200°C
Rear Temperature	140-160°C
Middle Temperature	160-180°C
Front Temperature	160-190°C
Head Temperature	160-190°C
Die Temperature	140-220°C
Filter	100 -150 mesh
Compress Ratio	3:1

## 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

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