



# Topolymer<sup>®</sup> ECO 8601-801N

## Styrenic Thermoplastic Elastomer

### Product Description

Topolymer<sup>®</sup> ECO 8601-801N is a Bio-based TPE compound based on Styrenic Block Copolymer (SBC). The Bio-based carbon content is 40%. 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            ✓ Chemical Resistance
- Compliance      ✓ RoHS                    ✓ REACH                    ✓ FDA
- Form                ✓ Pellet
- Packaging        ✓ 25kg/bag

### Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	80	Shore D	ASTM D2240
Specific Gravity	0.89	g/cm <sup>3</sup>	ASTM D792
Tensile Strength at break	7.8	MPa	ASTM D412
Elongation at Break	342	%	ASTM D412
Tear Strength	50	KN/m	ASTM D624

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) 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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