Topolymer® ECO 8601-801N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer® 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^3	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℃
Middle Temperature	180-200℃
Front Temperature	180-210℃
Nozzle Temperature	190-220℃
Mold Temperature	25-60℃
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^{0}C.

Contact Information

Top Polymer Enterprise Ltd
tpe@topolymer.com
www.topolymer.com

10 Xiyuan Rd, Tianmuhu Industrial Park
Liyang, Jiangsu
China
Tel: +86 (519) 8796 6118
Fax: +86 (519) 8796 6228

1017 Building 1, No. 1 Junma Street, Chigang
Humen Town, Dongguan City, GuangDong
China
Tel: +86 (769) 8584 6000
Fax: +86 (769) 8584 6001

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