



Topolymer[®] ECO 8609-601N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer[®] ECO 8609-601N is a Bio-based TPE compound based on Styrenic Block Copolymer (SBC). The Bio-based carbon content is 30%, This material can be over-molded onto PC/ABS/PETG or used for single molding. This grade is designed for injection molding. It is completely recyclable.

General

- Appearance ✓ Natural
- 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	60	Shore D	ASTM D2240
Specific Gravity	1.02	g/cm ³	ASTM D792
Tensile Strength at break	7.5	MPa	ASTM D412
Elongation at Break	600	%	ASTM D412
Tear Strength	42	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

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

All information supplied by or on behalf of Top Polymer in relation to its products, whether in nature of data, recommendations or otherwise, is supported by research and believed reliable, but Top Polymer assumes no liability whatever in respect of application, processing or use made of the mentioned information or products, or any consequence. The buyer shall undertake all liability in respect of the application, processing or use of the mentioned information or products, or any consequence.

Rev.2024-01-01