



Topolymer[®] ECO 8609-551N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer[®] ECO 8609-551N 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	55	Shore D	ASTM D2240
Specific Gravity	1.00	g/cm ³	ASTM D792
Tensile Strength at break	5.8	MPa	ASTM D412
Elongation at Break	500	%	ASTM D412
Tear Strength	33	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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