Topolymer® ECO 8609-651N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer® ECO 8609-651N is a Bio-based TPE compound based on Styrenic Block Copolymer (SBC). The Bio-based carbon content is 35%,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	65	Shore D	ASTM D2240
Specific Gravity	1.04	g/cm^3	ASTM D792
Tensile Strength at break	15	MPa	ASTM D412
Elongation at Break	600	%	ASTM D412
Tear Strength	48	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

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Rev.2024-01-01