



Topolymer® 6231-801N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer® 6231-801N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be over-molded onto PS or used for single molding. This grade can be processed on conventional thermoplastics equipments for Injection Molding, Extrusion or other hot melt processes. It is completely recyclable.

General

Appearance	√Natural Color		
Feature	√Soft Touch	√Easy Coloring	√Paintable
Compliance	√RoHS	√REACH	√FDA
Form	√Pellet		
Packaging	√25kg/bag		

Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	79	Shore A	ASTM D2240
Density	1.09	g/cm ³	ASTM D792
Tensile Strength at break	8	MPa	ASTM D412
Tensile Strength at 100%	5	MPa	ASTM D412
Elongation at Break	304	%	ASTM D412
Tear Strength	51	KN/m	ASTM D624
Compression Set at 23°C x 22hr	39	%	ASTM D395B

The data are not to be defined as specifications.

Processing Information

Injection	Typical Value
Rear Temperature	120-160°C
Middle Temperature	160-210°C
Front Temperature	160-220°C
Nozzle Temperature	150-220°C
Mold Temperature	25-40°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) Color concentrate with PP, LDPE or EVA based carrier is recommended.
- 3) 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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