



Topolymer® 8222-501N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer® 8222-501N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be over-molded onto PE or used for single molding. This grade is designed for injection molding. It is completely recyclable.

General

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

Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	55	Shore A	ASTM D2240
Density	1.06	g/cm ³	ASTM D792
Tensile Strength at break	3.5	MPa	ASTM D412
Tensile Strength at 100%	1.7	MPa	ASTM D412
Elongation at Break	500	%	ASTM D412
Tear Strength	20	KN/m	ASTM D624
Compression Set at 23°C x 22hr	11	%	ASTM D395B

The data are not to be defined as specifications.

Processing Information

Injection	Typical Value
Rear Temperature	140-170°C
Middle Temperature	170-190°C
Front Temperature	180-200°C
Nozzle Temperature	190-210°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) 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

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

Zhen An Hi-tech Park,
 Chang An, Dongguan, Guangdong
 China
 Tel: +86 (769) 8584 6000
 Fax: +86 (769) 8584 6000

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.2016-05-30