



# Topolymer® MS-601N

## Styrenic Thermoplastic Elastomer

### Product Description

Topolymer® MS-601N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be used in the medical application of rubber seal (stopper). This grade is designed for injection molding. It is completely recyclable.

### General

Appearance	√Natural Color		
Feature	√Soft Touch	√Tear Resistance	√Kink Resistance
	√Dimensional Stability	√Heat Resistance	
Compliance	√RoHS	√REACH	√FDA
	√USP VI	√ISO 10993	
Form	√Pellet		
Packaging	√25kg/bag		

### Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	60	Shore A	ASTM D-2240
Density	0.9	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength at break	4.8	MPa	ASTM D-412
Tensile Strength at 100%	2.5	MPa	ASTM D-412
Elongation at Break	450	%	ASTM D-412
Tear Strength	21	KN/m	ASTM D624
Compression Set at 23°C x 22hr	19	%	ASTM D395B

The data are not to be defined as specifications

**Processing Information**

<b>Injection</b>	<b>Typical Value</b>
Rear Temperature	160-180°C
Middle Temperature	170-190°C
Front Temperature	180-200°C
Nozzle Temperature	180-200°C
Mold Temperature	30-50°C
Injection Rate	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 6001

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