Topolymer® MD-951C

Styrenic Thermoplastic Elastomer

Product Description

Topolymer® MD-951C is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be used in the medical application of infusion dropper. This grade is designed for injection molding. It is completely recyclable.

General

Appearance	√Transparent		
Feature	√Dimensional Stability	√Tear Resistance	√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	95	Shore A	ASTM D-2240
Density	1	g/cm^3	ASTM D-792
Tensile Strength at break	19.2	MPa	ASTM D-412
Tensile Strength at 100%	10	MPa	ASTM D-412
Elongation at Break	305	%	ASTM D-412
Tear Strength	97	KN/m	ASTM D624

The data are not to be defined as specifications

Processing Information

Injection	Typical Value
Rear Temperature	160-180℃
Middle Temperature	170-190℃
Front Temperature	180-200℃
Nozzle Temperature	180-200℃
Mold Temperature	30-50℃
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 60^0C.

Contact Information

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