Topolymer® MT-751C

Styrenic Thermoplastic Elastomer

Product Description

Topolymer® MT-751C is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be widely used in various medical applications such as infusion tube, infusion bags, etc. This grade is designed for extrusion including multi-layer extrusion. It is completely recyclable.

General

Appearance	√Transparent		
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	80	Shore A	ASTM D-2240
Density	0.9	g/cm^3	ASTM D-792
Tensile Strength at break	12	MPa	ASTM D-412
Tensile Strength at 100%	3.3	MPa	ASTM D-412
Elongation at Break	650	%	ASTM D-412
Tear Strength	65	KN/m	ASTM D624
Compression Set at 23℃ x 22hr	28	%	ASTM D395B

The data are not to be defined as specifications

Processing Information

Extrusion	Typical Value
Melt Temp	150-180℃
Rear Temperature	140-160℃
Middle Temperature	160-180℃
Front Temperature	170-190℃
Head Temperature	170-190℃
Die Temperature	170-190℃
Filter	100 -150 mesh
Compress Ratio	3:1

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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