



Topolymer[®] ECO 5332-951B

Halogen Free Flame Retardant Thermoplastic Elastomer

Product Description

Topolymer[®] ECO 5332-951B is a halogen free flame retardant thermoplastic elastomer compound based on SEBS/PP. The Bio-based carbon content is 28%. This material can be used in various wire and cable applications including power cord, communication cable, USB cable, etc. This grade is designed for extrusion. It is completely recyclable.

General

- Appearance ✓ Black Color
- Feature ✓ Flame Retardant VW-1 ✓ Rating Temperature 80°C ✓ UL Yellow Card
- ✓ Crack Resistance ✓ Wear Resistance
- ✓ Weather Resistance ✓ Easy Processing
- Compliance ✓ RoHS ✓ REACH
- Form ✓ Pellet
- Packaging ✓ 25kg/bag

Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	94	Shore A	ASTM D-2240
Density	1.09	g/cm ³	ASTM D-792
Tensile Strength at break	12.5	MPa	ASTM D-412
Tensile Strength at 100%	10	MPa	ASTM D-412
Elongation at Break	304	%	ASTM D-412
Tearing Strength	9.5	KN/m	ASTM D624
Rating Temperature	80	°C	UL1581
Flame Retardant	Pass	FT-2	UL1581

The data are not to be defined as specifications

Processing Information

Extrusion	Typical Value
Melt Temp	190-220°C
Rear Temperature	160-180°C
Middle Temperature	190-220°C
Front Temperature	190-220°C
Head Temperature	190-210°C
Die Temperature	190-210°C
Filter	100 -150 mesh
Compress Ratio	2.8:1

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) The product needs to be dried for 2-3 hours at 100°C before use
- 3) In good ventilation, the product can be stored for six months from the date of production. Property check is required if storage time is over 6 months.

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