



# Topolymer® 5310-851B

## Halogen Free Flame Retardant Thermoplastic Elastomer

### Product Description

Topolymer® 5310-851B is a halogen free flame retardant thermoplastic elastomer compound based on SEBS/PP. 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 FT-2	√Rating Temperature 90°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	85	Shore A	ASTM D-2240
Density	1.03	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength at break	11	MPa	ASTM D-412
Tensile Strength at 100%	5.5	MPa	ASTM D-412
Elongation at Break	350	%	ASTM D-412
Tearing Strength	15	KN/m	ASTM D624
Rating Temperature	90	°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.

**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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