



# Topolymer® 5313-801B

## Halogen Free Flame Retardant Thermoplastic Elastomer

### Product Description

Topolymer® 5313-801B is a halogen free flame retardant thermoplastic elastomer compound based on SEBS/PP. This material can be widely used in USB cable, Sealing strip, etc. This grade is designed for extrusion. It is completely recyclable.

### General

Appearance	√Black Color		
Feature	√Flame Retardant V0	√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	80	Shore A	ASTM D-2240
Density	1.04	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength at break	11	MPa	ASTM D-412
Tensile Strength at 100%	4.0	MPa	ASTM D-412
Elongation at Break	500	%	ASTM D-412
Tearing Strength	10	KN/m	ASTM D624
Rating Temperature	90	°C	UL1581
Flame Retardant	Pass	V0	UL94

The data are not to be defined as specifications

**Processing Information**

<b>Extrusion</b>	<b>Typical Value</b>
Melt Temp	190-220°C
Rear Temperature	160-180°C
Middle Temperature	190-220°C
Front Temperature	190-220°C
Head Temperature	160-200°C
Die Temperature	160-200°C
Filter	100 -150 mesh
Compress Ratio	2.8:1

Notes:

- 1) This 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 90°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 the storage time is over 6 months.

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