



Topolymer® 5310-801B

Halogen Free Flame Retardant Thermoplastic Elastomer

Product Description

Topolymer® 5310-801B 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	80	Shore A	ASTM D-2240
Density	1.06	g/cm ³	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	350	%	ASTM D-412
Tearing Strength	11	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

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