



Topolymer[®] 3411-851N

Styrenic Thermoplastic Elastomer

Product Description

Topolymer[®] 3411-851N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be widely used in communication cable, earphone cord, USB cable, sealing strip, etc. This grade is designed for extrusion, and can be co-extruded with PP or PE. It is completely recyclable.

General

| | | | |
|------------|------------------------|---------------------|------------------|
| Appearance | √Natural Color | √Matt | |
| Feature | √Soft Touch | √Tear Resistance | √Kink Resistance |
| | √Dimensional Stability | √Weather Resistance | √Heat Resistance |
| Compliance | √RoHS | √REACH | √FDA |
| Form | √Pellet | | |
| Packaging | √25kg/bag | | |

Technical Property

| Typical Properties | Typical Value | Unit | Test Method |
|--------------------------------|---------------|-------------------|-------------|
| Hardness | 84 | Shore A | ASTM D-2240 |
| Density | 1.03 | g/cm ³ | ASTM D-792 |
| Tensile Strength at break | 9.3 | MPa | ASTM D-412 |
| Tensile Strength at 100% | 5.1 | MPa | ASTM D-412 |
| Elongation at Break | 545 | % | ASTM D-412 |
| Tear Strength | 61 | KN/m | ASTM D624 |
| Compression Set at 23°C x 22hr | 11 | % | ASTM D395B |

The data are not to be defined as specifications

Processing Information

| Extrusion | Typical Value |
|--------------------|----------------------|
| Melt Temp | 170-200°C |
| Rear Temperature | 140-160°C |
| Middle Temperature | 160-180°C |
| Front Temperature | 160-190°C |
| Head Temperature | 160-190°C |
| Die Temperature | 140-220°C |
| 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°C

Contact Information

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