Product Data sheet

10 July 2022 Rev 0

SEJI CHEMICAL CO,. LTD.

SJ-806TR

Track Resistant Black Jacketing Compound

Overview

SJ-806TR is thermoplastic and has a specially designed black track resistant jacketing compound for fiber optical cables. SJ-806TR is protected against UV degradation in order to ensure weathering resistance.

SJ-806TR has stable anti-tracking properties.

Specifications

This compound has no specifications.
The user should select and use the application suitable for the characteristics.

Properties

This TDS is typical data only and are not to be construed as specifications. Users should results their own test. Tests are conducted on compression molded slabs cured 5 minutes at 180℃.

Physical	**Value (English)**	**Value (SI)**	**Test Method**
Density	1.1 g/㎤	1.1 g/㎤	ASTM D 1505
Moisture Content	300 ppm	500 ppm	ASTM D 6869
Melt Flow Rate[190°C(374°F)/2.16 kg]	0.30 g/10min	0.30 g/10min	ASTM D 1238
Brittleness temperature	<-70 °C	<-70 °C	ASTM D 746

Mechanical	**Value (English)**	**Value (SI)**	**Test Method**
Ultimate Tensile Strength	3191 psi	22.0 Mpa	ASTM D 638
Elongation at Break	600 %	600 %	ASTM D 638
Retention of Tensile Strength After Ageing - 135°C[275°F], 168hrs	90 %	90 %	IEC 60811-401
Retention of Elongation After Ageing - 135°C[275°F], 168hrs	80 %	80 %	IEC 60811-401
Environmental Stress Cracking at F0 10% “Igepal” Solvent	2,000 h	2,000 h	ASTM D 1693

Electrical	**Value (English)**	**Value (SI)**	**Test Method**
Dielectric Constant	2.4 1MHz	2.4 1MHz	ASTM D 150
Dissipation Factor	0.0005 1MHz	0.0005 1MHz	ASTM D 150
Dielectric Strength	20 kV/mm	20 kV/mm	ASTM D 149
Time to track at 4.5kV	120 h	120 h	ASTM D 257

Processing

SJ-806TR provides excellent surface finish and outstanding output rates over a broad range of extrusion conditions.
SJ-806TR requires melt stock temperatures in the range of 180℃ to 200℃ for best results. Lower melt temperatures may result in unmelted extrudate and higher melt temperatures may result in extrudate It can even trigger die-drools.
Dehumidified hopper drying at 80～100℃ for up to 4~6 hours prior to extrusion could help remove

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moisture. Specific processing conditions depend on equipment and cable dimensions. Optimum conditions by conventional practices should be established.

Packing & Storage

Packed in 600kg polybag lined carton box.
Recommended maximum storage period is 12months unopened and in original packaging after the manufacture.

Stored at room temperatures 86 ℉ 30 ℃
The shelf life of this product is 1 year from the date of manufacture.

Safety

Please contact Seji Chemical for Material Safety Data Sheet.

Disclaimer

Information contained in this data sheet is up-to-date and correct as at the date of issue.
Seji chemical Co., Ltd. cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use.
Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. **Therefore, nothing in the contents of this document shall have any legal binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legal binding effect.**
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