



SHAKUN POLYMERS PRIVATE LIMITED

SPL- S 51 FR



Description

SPL-S 51 FR PVC based compound formulated with a high quality resin, special plasticizers & stabilizers. This is a flame resistance sheathing compound.

Specifications

Cables manufactured with **SPL-S 51 FR** according to standard technology meets Type ST1 & ST2 as per IS 5831 & IEC 60502-1 Specifications.

Temperature range: -40°C to 90°C

Typical Properties

| <i>Property</i> | <i>Test Method</i> | <i>Unit</i> | <i>Typical Value</i> |
|---|--------------------|--------------------|----------------------|
| Density | ASTM D 792 | g/cm ³ | 1.51 |
| Durometer Hardness | ASTM D 2240 | Shore A | 90 |
| Tensile Strength | IEC 60811-1-1 | MPa | 16 |
| Elongation | IEC 60811-1-1 | % | 250 |
| Variation in Tensile Properties after Heat Ageing at 100°C for 7 days | | | |
| Tensile Strength | IEC 60811-1-2 | % | -11 |
| Elongation | IEC 60811-1-2 | % | -12 |
| Loss of Mass at 100°C for 7 days | IEC 60811-3-2 | mg/cm ² | 0.6 |
| Thermal Stability | IEC 60811-3-2 | Minutes | 110 |
| Limiting Oxygen index | ASTM D 2863 | % O ₂ | 31 |

* Press Sheet Conditions: 180°C, 10 min, 200kg /cm²

* Data should not be used for specification work

Processing Techniques

SPL-S 51 FR can be processed on any good extruder designed for PVC at temperatures in the range of 140°C-170°C. The screw must have a good homogenizing capacity.

Colorability

SPL-S 51 FR is a Colorable Compound and no detrimental effects on properties in presence of masterbatch colours. We suggest drying masterbatch before use.

2 ##**Packaging**

SPL-S 51 FR is available in the form of free flowing pellets and supplied in bags of moisture resistant material with a net content of 30 Kgs. Material also available in Jumbo Boxes with a net content of 900 Kgs.

Storage & shelf life

The product/compound should remain in

- Sealed condition
- Without exposing to direct sunlight and temperature not exceeding 45°C

Shelf life of the compound is 12 months from the date of manufacture.

Product alteration may occur due to extended period of storage.

Shakun accepts no liability of any kind in case the above mentioned storage conditions are not fulfilled.

Safety

SPL-S 51 FR is not classified as a dangerous preparation.

The product is supplied in form of pellets of about 3 – 4 mm in size and can be readily handled with commercially available equipment. All handling and transport of the product may generate some dust and fines, which constitute a potential risk for dust explosion. Therefore, all instruments in the system should be properly grounded. Properly designed equipment and good storage will reduce the potential risk. Please, check and follow local disposal regulations!

Inhalation of any type of dust may irritate the air passages and should be avoided. For hot products: immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat.

In case of adverse exposure to melting products formed at elevated temperatures, immediately remove the affected victim from exposure.

Sweep up spilled granules and place in suitable containers for recycle or disposal. Consult an expert on disposal or recovered material and ensure conformity to local disposal regulations.

The product is intended for industrial use only. A Material Safety Datasheet is available on request. Please contact our Technical Team of SHAKUN POLYMERS PRIVATE LTD., for more details on various aspects of safety, recovery and disposal of the product.

This information is to the best of our knowledge accurate but all recommendations or suggestions are made without guarantee or legal liabilities since the conditions of use are beyond our control. The typical values given do not constitute specification for the product but represent typical analytical values.

SHAKUN POLYMERS PRIVATE LIMITED

Regd. Office : 501-504, ISCON Heights Atria-2, Gotri Road, Vadodara-390 021, India.

TEL: 00-91-265-6196500 Fax #: 00-91-265-6196565

Web Site : www.shakunpolymers.com Email : sales@shakunpolymers.com
