

## **SFR-93**

Shriram Polytech Flex PVC Compound

### **General Information**

Material Status	<ul style="list-style-type: none"> <li>• <b>Commercially Active</b></li> </ul>
Application	<ul style="list-style-type: none"> <li>• <b>Wire &amp; Cable</b></li> </ul>
Type Of Compound	<ul style="list-style-type: none"> <li>• <b>ST-2 Flame Retardant Sheathing and Insulation</b></li> </ul>
Color	<ul style="list-style-type: none"> <li>• <b>Natural</b></li> </ul>
Forms	<ul style="list-style-type: none"> <li>• <b>Pellets</b></li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• <b>Extrusion</b></li> </ul>

### **Test Results**

Physical	Test Method	Specification	Unit
Specific Gravity	ASTM D 792	1.47±0.03	-
Mechanical	Test Method	Specification	Unit
Tensile Strength at Break	IS-10810 (P-7)	≥170	kg/cm <sup>2</sup>
Elongation at Break	IS-10810 (P-7)	≥180	%
Hardness	Test Method	Specification	Unit
Shore 'A' Hardness (15 sec delay)	ASTM D 2240	91±3	-
Thermal Stability	Test Method	Specification	Unit
Thermal Stability at 200 °C	IS-5831	≥100	Minutes
Electrical	Test Method	Specification	Unit
Volume Resistivity	ASTM-D 257	≥2.6X10 <sup>13</sup>	Ohm-cm
Type Test	Test Method	Specification	Unit
LOI	ASTM-D 2863	≥31	%
Type Test	Test Method	Specification	Unit
Heat Aging @ 100°C for 7 days			
<ul style="list-style-type: none"> <li>• Variation in Tensile Strength</li> </ul>	IS-10810 (Part 11)	±25	kg/cm <sup>2</sup>
<ul style="list-style-type: none"> <li>• Variation in Elongation at Break</li> </ul>	IS-10810 (Part 11)	±25	%
<ul style="list-style-type: none"> <li>• Loss of Mass</li> </ul>	IS-10810 (Part 10)	2	Mg/cm <sup>2</sup>
Processing Information			
Temperature Range		140-185	°C

**For better results pre-drying of granules is recommended @ 75±5°C for approximately 15 minutes.**

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