



# SHAKUN POLYMERS LIMITED



## SPL-VTEK-70 HIGH PERFORMANCE PVC BASED TPR COMPOUND

### Description

**SPL-VTEK-70** is a High performance PVC based TPR Compound for Insulation and Jacketing of Welding Cables and Elevator Cables. **SPL-VTEK-70** exhibits very good flexibility, mechanical properties and is resistant to attack by oils. It has good Abrasion Resistance Properties.

### Specification

**SPL-VTEK-70** meets IS : 5831, Type A, and ST2 specifications.  
IEC 60502 ST2, EN 50363-3:2005 Type T1 2 and EN 50363-4.1 : 2005 Type TM 2

### Properties

Property	Test Method	Unit	Typical Value
Density	ASTM D 792	g/cm <sup>3</sup>	1.30
Tensile Strength	IEC 60811-1-1	MPa	17
Elongation	IEC 60811-1-1	MPa	300
Variation of Tensile Properties after Heat Ageing at 80°C ± 2°C for 7 days	IEC 60811-1-1		
Tensile Strength		%	± 20
Elongation		%	± 20
Hardness	ASTM D 2240	Shore A	70
Oil Resistance in ASTM Oil No. 2 at 90°C for 168 Hrs, % variation in Tensile Properties	IEC 60811-1-1	%	± 30
Pressure Test at 70 + 2°C, 4 Hrs	IEC 60811-3-1	%	<50
Loss of Mass @ 80 + 2°C for 7 days	IEC 60811-3-2	mg/cm <sup>2</sup>	1.5
Thermal Stability @ 200°C	IEC 60811-3-2	Minutes	>80
Volume Resistivity	ASTM D 257	Ohm-cm	>10 <sup>13</sup>

\* Press Sheet Conditions : 180°C, 10 min, 200kg / cm<sup>2</sup>

\* Data should not be used for specification work

### Processing

**SPL-VTEK-70** is an easily processable material on conventional PVC extruders. Recommended extrusion temperatures are in the range of 130°C-190°C. Specific Processing conditions can be determined only by trials on individual equipment.

## ▣ Packaging

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**SPL-VTEK-70** is available in the form of free flowing pellets in Raffia bags with a net content of 30 Kgs.

This information is to the best of our knowledge accurate but all recommendations or suggestions are made without guarantee 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.

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