

Type-A FR

Shriram Polytech Flex PVC Compound

General Information

Material Status	<ul style="list-style-type: none"> • Commercially Active
Application	<ul style="list-style-type: none"> • Wire & Cable
Type Of Compound	<ul style="list-style-type: none"> • Type-A Flame Retardant Insulation
Color	<ul style="list-style-type: none"> • Natural
Forms	<ul style="list-style-type: none"> • Pellets
Processing Method	<ul style="list-style-type: none"> • Extrusion

Test Results

Physical	Test Method	Specification	Unit
Specific Gravity	ASTM D 792	1.45±0.03	-
Mechanical	Test Method	Specification	Unit
Tensile Strength at Break	IS-10810 (P-7)	≥150	kg/cm ²
Elongation at Break	IS-10810 (P-7)	≥250	%
Hardness	Test Method	Specification	Unit
Shore 'A' Hardness (15 sec delay)	ASTM D 2240	90±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	≥1.0X10 ¹⁴	Ohm-cm
Type Test	Test Method	Specification	Unit
LOI	ASTM-D 2863	≥30	%
Type Test	Test Method	Specification	Unit
Heat Aging @ 80°C for 7 days			
<ul style="list-style-type: none"> • Variation in Tensile Strength 	IS-10810 (Part 11)	±20	kg/cm ²
<ul style="list-style-type: none"> • Variation in Elongation at Break 	IS-10810 (Part 11)	±20	%
<ul style="list-style-type: none"> • Loss of Mass 	IS-10810 (Part 10)	-	Mg/cm ²
Processing Information			
Temperature Range		140-180	°C

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

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