

Polyvinyl Chloride Compound

SFR 90 is a FR compound designed to be used for Flame Retardant Insulation application.

PROPERTIES	STANDARD	UNIT	TYPICAL VALUE
PHYSICAL			
Appearance			Granular
Specific Gravity	ASTM D 792		1.52 ± 0.03
MECHANICAL			
Hardness	ASTM D 2240	Shore A	90 ± 3
Tensile Strength (min.)	IS 10810	MPa	15
Elongation at Break (min.)	IS 10810	%	200
Properties after ageing at 80 °C for 7 days			
Variation in Tensile Strength	IS 10810	%	± 20
Variation in Elongation at Break	IS 10810	%	± 20
Loss of Mass	IS 10810	mg/cm ²	2 (max.)
THERMAL			
Thermal Stability @ 200 °C (min)	IS 5831	Minutes	80
ELECTRICAL			
Volume Resistivity (min.)	ASTM D 257	Ohm.cm	5 x 10 ¹³
FLAMMABILITY			
Limiting Oxygen Index (min.)	ASTM D 2863	%	30
Temperature Index (min.)	ASTM D 2863	°C	250
PROCESSING INFORMATION			
Temperature Range		°C	160–180
For better results pre-drying of granules is recommended @ 75 ± 5°C for approximately 15 minutes			

Important: The technical data herein is believed to be accurate and Shriram Axiall makes no representation of any kind with respect to the information contained in the document about its accuracy, suitability for a particular application or results obtained or obtainable using this information. These values and sets of properties are based upon laboratory work with small scale equipment and do not necessarily indicate end product performance. Full scale testing and end product use and performance are the responsibility of the Buyer. Buyer assumes all risk of use, storage and handling of the product. **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, and patents. Reported data are typical values and are not to be construed as product specifications.

Rev: June 2015