

*Polyvinyl Chloride Compound*

**HR 09 is an extra heat resistant cable grade compound upto 105°C operation. Designed to meet the critical requirements of winding wires for submersible motor pumps; this grade is also used for Power, Control, Instrumentation and Thermocouple wires. This grade conforms to IS: 5831-84 Type C.**

PROPERTIES	STANDARD	UNIT	TYPICAL VALUE
<b>PHYSICAL</b>			
Appearance			Granular
Specific Gravity	ASTM D 792		1.32 ± 0.03
<b>MECHANICAL</b>			
Hardness	ASTM D 2240	Shore A	91 ± 3
Tensile Strength (min.)	IS 10810	MPa	20
Elongation at Break (min.)	IS 10810	%	225
Properties after ageing at 135 °C for 7 days			
Variation in Tensile Strength	IS 10810	%	± 25
Variation in Elongation at Break	IS 10810	%	± 35
Loss of Mass	IS 10810	mg/cm <sup>2</sup>	2 (max.)
<b>THERMAL</b>			
Thermal Stability @ 200 °C (min.)	IS 5831	Minutes	150
<b>ELECTRICAL</b>			
Volume Resistivity (min.)	ASTM D 257	Ohm.cm	8 x 10 <sup>13</sup>
<b>PROCESSING INFORMATION</b>			
Temperature Range		°C	155–190
<b>For better results pre-drying of granules is recommended @ 75 ± 5°C for approximately 15 minutes</b>			

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