



### Data sheet

**Granule Type: GPS9040HT**  
**PVC Compound**

#### Description

PVC Sheathing Compound for High Temperature Sheathing

#### Specification

IEC 60227: PVC/ST10

#### Color

Natural and Colors

#### Physical Properties

Properties	Standard and Test Method	Unit	Typical Value
<b>Hardness</b>	ASTM D2240(15sec)	Shore A	90
<b>Density</b>	ASTM D792 / IEC 60811-1-3	gr/cm <sup>3</sup>	1.40±0.01
<b>Heat Stability at 200°C</b>	VDE 0472/9.71	minute	min 100
<b>Properties before ageing</b> Tensile strength Elongation at break	IEC 60811-1-1	N/mm <sup>2</sup> %	min 15 min 210
<b>Properties after ageing "10 days at 125°C"</b> Variation of Tensile Variation of Elongation	IEC 60811-1-2	% %	max 25 max 25

#### Processing Guidelines

1- The actual extrusion conditions will depend on the type of equipment used. The following conditions may be used as a guide when starting up the extruder.

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die	Screw*
max (°C)	150	160	160	170	180	185	70
min (°C)	140	145	150	150	160	170	80

\* The thermostatic control of the screw improves processing results.

#### Extruder L/D= 20-26

2- Head and tools should be designated allowing streamlined flow avoiding stagnation of the material.

3- A breaker plate and filter net (80 -100 mesh/cm<sup>2</sup>) are recommended to be used.



### Storage

- Packaging should be keep closed during storage
- Ambient temperature should not exceed more than 40°C
- Avoid direct exposure to sunlight and humid weathering
- Shelf life of the compound is 12 months from the date of manufacture.

### Packaging

It is available in the form of pellets and supplied in PP bags with a net content of 25 kg.

### Safety

GPS9040HT is classified as no-dangerous material.

### Technical Service

Ghazvin Granules Producing Co. producing Technical Service is available to help the customer to choose the best product for his requirements.

Our Technical Service is at your disposal for further information and advice about the start-up and also for any possible necessity during the use of the product.

### Disclaimer

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