



Data sheet

Granule Type: GPS8450
PVC Compound

Description

PVC compound for sheathing of general purpose & fixed installation cables

Specification

IEC 60502:PVC/ST1, IEC 60227:PVC/ST4, BS 6746:TM1

Color

Natural and Colors

Physical Properties

| Properties | Standard and Test Method | Unit | Typical Value |
|--|---------------------------|------------------------|-------------------|
| Hardness | ASTM D2240(15sec) | Shore A | 84±1 |
| Density | ASTM D792 / IEC 60811-1-3 | gr/cm ³ | 1.50±0.01 |
| Heat Stability at 200°C | VDE 0472/9.71 | minute | min 80 |
| Properties before ageing Tensile strength Elongation at break | IEC 60811-1-1 | N/mm ² % | min 13 min 200 |
| Properties after ageing "7 days at 100°C" 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 | 165 | 170 | 180 | 190 | 70 |
| min (°C) | 130 | 140 | 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/cm²) 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

GPS8450 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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