



Data sheet

Granule Type: S7548

Description

PVC Sheathing Compound for Flexible Cables

Specification

IEC 60227: PVC ST5, BS 6746: TM2

Color

Natural and Colors

Physical Properties

Properties	Standard and Test Method	Unit	Typical value
Hardness	ASTM D2240(15sec)	Shore A	75±2
Density	ASTM D792 / IEC 60811-1-3	gr/cm ³	1.48±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 250
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	160	160	170	180	70
min (°C)	130	130	140	140	150	150	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 kept 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

S7548 is classified as no-dangerous material.