

### Product Description

This compound is intended for bedding the of LV and MV energy cable applications. PVCT610 compound is in compliance with the requirement of **Type 6** according to **BS 7655-4.2**.

### General features:

- **Lead Free**
- **Excellent processing**
- **Outstanding mechanical properties**
- **Free flowing pellets**
- **Excellent gloss and surface fini**

### Technical Specification

Physical Properties	Test Method	Unit	Typical Value
Density	-	g/cm <sup>3</sup>	1.57 ± 0.03
Mechanical Properties			
Tensile Strength	BS EN 60811-501	N/mm <sup>2</sup>	> 12
Elongation at break	BS EN 60811-501	%	> 200
Thermo Mechanical Properties			
Loss of Mass Test @ 80°C for 168 hrs	BS EN 60811-409	mg/cm <sup>2</sup>	< 1.5
Elongation Test at -15°C	BS EN 60811-505	%	> 50
Bending Test at -15°C	BS EN 60811-504	-	No Cracks
Pressure Test at 80°C	BS EN 60811-508	%	< 30
Resistance to cracking (heat shock)	BS EN 60811-509	-	No Cracks
Electrical Properties			
Insulation Resistance Constant 'K' @ 20°C	BS 6469-99-2	MΩ.Km	> 0.01

**Note:** All above tests performed on extruded cable sample.

### Recommended Extruder Temperature Profiles

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Head1	Head2	Die
135°C	140°C	145°C	155°C	160°C	165°C	170°C	175°C

**Note:** It is recommended to predry the compound @70°C for 4 - 6 hrs in dehumidifying unit if material is kept for long time under high humidity levels.

### Colorability:

Addition of approved color PVC-masterbatches up to a maximum of 1% has no adverse effect on the properties of PVCT610 compound.

### Packaging:

PVCT610 compound is available in pelletized 1500Kg jumbo PP bags with PE liner.

The information in this technical data sheet is believed to be accurate. DEICO accepts no liability of any kind with regards to contents of this document or its incorrect use. It is the customers responsibility to conduct full analysis of end product to evaluate product suitability