# Moulded Parts and Shapes

## **Material Selection**

Moulded parts and shapes can be manufactured in a wide range of materials, allowing engineers and material specifiers to design electrical harness systems with optimum performance characteristics for any given application. Outlined below are the standard materials available for most moulded parts covered in this section, additional technical details are covered in more detail on the following pages.

Additional specialist materials are also available with details on request. For more information please contact us.





#### -3 Semi-rigid Polyolefin

A general purpose, heat-shrinkable semi-rigid and flame retardant polyolefin moulding compound.

- Operating temperature from -55°C to 135°C
- · Flame retardant
- · Good resistance to fluid and heat
- UL 224, E85381 and SAE-AS81765/1 Type I

#### -4 Flexible Polyolefin

A general purpose, heat-shrinkable flexible and flame retardant polyolefin moulding compound.

- Operating temperature from -55°C to 135°C
- Flame retardant
- · Good resistance to fluid and heat
- UL 224, E85381 and SAE-AS81765/1 Type II

#### -12 Modified Fluoro-elastomer

A high temperature, heat-shrinkable, flexible, flameretarded, fluoro-elastomeric moulding compound.

- Operating temperature from -55°C to 200°C
- · Excellent long term fuel immersion resistance
- · Fluid resistant and flexible
- · Flame retardant

### -25 Fluid Resistant Elastomer

A heat-shrinkable, fluid and temperature resistant, elastomeric moulding compound, designed to offer excellent performance in harsh environments.

- Operating temperature from -75°C to 150°C
- · Chemical and abrasion resistant
- · Excellent high temperature fluid resistance
- · Flame retardant

#### -100 Low Fire Hazard Material

A heat-shrinkable, semi-flexible, low-fire hazard moulding compound designed to offer excellent fire safety characteristics combined with low smoke and low acid gas emission.

- Operating temperature from -30°C to 105°C
- Low smoke as defined BS G 198 part 5
- Low-toxicity index as defined by NES 713
- · High-temperature index defined by ISO 4589-3
- Flame retardant

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