

Forprene® 6D5.A90

Thermoplastic Vulcanizate (TPV)

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|------------------------------|--|
| Description | TPV, injection moulding grade, high fluidity, excellent UV resistance. |
| Norm compliance | EU Directive 2002/95/EC (RoHS) compliant. |
| Applications | Automotive, industrial. |
| Processing technology | Injection moulding |

The following figures indicate the typical material properties and are not to be considered a specification

| Physical Properties | Typical value | Test method | Units |
|-------------------------|---------------|-------------|-------------------|
| Hardness 15° | A 92 | ASTM D2240 | Shore |
| Specific gravity (23°C) | 0.94 | ASTM D792 | g/cm ³ |

| Elasto-Mechanical Properties | Typical value | Test method | Units |
|------------------------------|---------------|--------------------|-------|
| Tensile strength | 11.5 | ASTM D412-C | MPa |
| Elongation at break | 500 | ASTM D412-C | % |
| Modulus 100% | 5.2 | ASTM D412-C | MPa |
| Tear strength | 51 | ASTM D624-C | kN/m |
| Compression set (22 h 70°C) | 52 | ASTM D395-B TYPE 1 | % |

| Processing Conditions | Typical value | Test method | Units |
|-----------------------|----------------------|-------------|------------|
| Cylinder temperature | 170-180-185 | - | °C |
| Nozzle temperature | 195 | - | °C |
| Mould temperature | 20-50 | - | °C |
| Drying | not necessary | - | hours - °C |

Storage

This product should be stored in a covered facility and kept away from moisture and heat.