

# Forprene® 6MD.A90

Thermoplastic Vulcanizate (TPV)

|                              |   |
|------------------------------|---|
| <b>Description</b>           | TPV, injection moulding grade, high fluidity. |
| <b>Norm compliance</b>       | EU Directive 2002/95/EC (RoHS) compliant.     |
| <b>Applications</b>          | Automotive, industrial.                       |
| <b>Processing technology</b> | 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"            | <b>A 92</b>   | ASTM D2240  | Shore             |
| Specific gravity (23°C) | <b>0.94</b>   | ASTM D792   | g/cm <sup>3</sup> |

| Elasto-Mechanical Properties | Typical value | Test method        | Units |
|------------------------------|---------------|--------------------|-------|
| Tensile strength             | <b>11.5</b>   | ASTM D412-C        | MPa   |
| Elongation at break          | <b>500</b>    | ASTM D412-C        | %     |
| Modulus 100%                 | <b>5.5</b>    | ASTM D412-C        | MPa   |
| Tear strength                | <b>50</b>     | ASTM D624-C        | kN/m  |
| Compression set (22 h 70°C)  | <b>48</b>     | ASTM D395-B TYPE 1 | %     |

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

**Storage**

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