

# Forprene® 6D5.A85

Thermoplastic Vulcanizate (TPV)

|                              |  |
|------------------------------|--|
| <b>Description</b>           | TPV, injection moulding grade, high fluidity, excellent UV resistance. |
| <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 87</b>          | ASTM D2240         | Shore             |
| Specific gravity (23°C)      | <b>0.95</b>          | ASTM D792          | g/cm <sup>3</sup> |
| Elasto-Mechanical Properties | Typical value        | Test method        | Units             |
| Tensile strength             | <b>10.0</b>          | ASTM D412-C        | MPa               |
| Elongation at break          | <b>500</b>           | ASTM D412-C        | %                 |
| Modulus 100%                 | <b>4.9</b>           | ASTM D412-C        | MPa               |
| Tear strength                | <b>47</b>            | ASTM D624-C        | kN/m              |
| Compression set (22 h 70°C)  | <b>45</b>            | ASTM D395-B TYPE 1 | %                 |
| Processing Conditions        | Typical value        | Test method        | Units             |
| Cylinder temperature         | <b>160-170-180</b>   | -                  | °C                |
| Nozzle temperature           | <b>185</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.