

# Forprene® 6B0.A68

Thermoplastic Vulcanizate (TPV)

|                              |  |
|------------------------------|--|
| <b>Description</b>           | TPV, blow moulding grade, high blow ratio. |
| <b>Norm compliance</b>       | EU Directive 2002/95/EC (RoHS) compliant.  |
| <b>Applications</b>          | Automotive.                                |
| <b>Processing technology</b> | Blow 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 68</b>   | ASTDM D2240 | Shore |
| Specific gravity (23°C) | <b>0.92</b>   | ASTM D792   | g/cm³ |

  

| Elasto-Mechanical Properties | Typical value | Test method        | Units |
|------------------------------|---------------|--------------------|-------|
| Tensile strength             | <b>6.3</b>    | ASTM D412-C        | MPa   |
| Elongation at break          | <b>650</b>    | ASTM D412-C        | %     |
| Modulus 100%                 | <b>2.2</b>    | ASTM D412-C        | MPa   |
| Tear strength                | <b>30</b>     | ASTM D624-C        | kN/m  |
| Compression set (22 h 70°C)  | <b>42</b>     | ASTM D395-B TYPE 1 | %     |

  

| Processing Conditions | Typical value        | Test method | Units      |
|-----------------------|----------------------|-------------|------------|
| Cylinder temperature  | <b>160-170-180</b>   | -           | °C         |
| Head temperature      | <b>180</b>           | -           | °C         |
| Dye temperature       | <b>170</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.

**Disclaimer**  
The figures reported in this Technical Data Sheet are based on tests and analyses carried out in SO.F.TeR. laboratories on injection-moulded specimens. These figures indicate the typical material properties and are not to be considered a specification. The user shall always carry out his own tests and analyses in order to verify the suitability of the material for the specific application.

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