

# Forprene® 6K5.A50

Thermoplastic Vulcanizate (TPV)

|                       |                                           |
|-----------------------|-------------------------------------------|
| Description           | TPV, extrusion grade, high UV resistance. |
| Norm compliance       | EU Directive 2002/95/EC (RoHS) compliant. |
| Applications          | Automotive, building, industrial.         |
| Processing technology | Extrusion                                 |

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 51          | ASTDM D2240        | Shore      |
| Specific gravity (23°C)      | 0.99          | ASTM D792          | g/cm³      |
| Elasto-Mechanical Properties | Typical value | Test method        | Units      |
| Tensile strength             | 4.4           | ASTM D412-C        | MPa        |
| Elongation at break          | 500           | ASTM D412-C        | %          |
| Modulus 100%                 | 1.6           | ASTM D412-C        | MPa        |
| Tear strength                | 19            | ASTM D624-C        | kN/m       |
| Compression set (22 h 70°C)  | 35            | ASTM D395-B TYPE 1 | %          |
| Processing Conditions        | Typical value | Test method        | Units      |
| Cylinder temperature         | 160-170-180   | -                  | °C         |
| Head temperature             | 180           | -                  | °C         |
| Dye temperature              | 170           | -                  | °C         |
| Drying                       | not necessary | -                  | hours - °C |

## Storage

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