

# Forprene® 6NM901A80

Thermoplastic Vulcanizate

SO.F.TER. SPA

## Message:

Forprene® 6NM901A80 is a Thermoplastic Vulcanizate (TPV) material. It is available in Europe, Latin America, or North America for injection molding.

Primary attribute of Forprene® 6NM901A80: REACH Compliant.

Typical applications include:

Automotive

Industrial Applications

| General Information                        |                         |                   |             |
|--------------------------------------------|-------------------------|-------------------|-------------|
| Uses                                       | Automotive Applications |                   |             |
|                                            | Industrial Applications |                   |             |
|                                            | Profiles                |                   |             |
| Agency Ratings                             | EC 1907/2006 (REACH)    |                   |             |
| Appearance                                 | Black                   |                   |             |
| Processing Method                          | Injection Molding       |                   |             |
| Physical                                   | Nominal Value           | Unit              | Test Method |
| Specific Gravity                           | 0.960                   | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                   | Nominal Value           | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec)       | 82                      |                   | ASTM D2240  |
| Elastomers                                 | Nominal Value           | Unit              | Test Method |
| Tensile Set                                | 22                      | %                 | ASTM D412   |
| Tensile Stress <sup>1</sup> (100% Strain)  | 3.60                    | MPa               | ASTM D412   |
| Tensile Strength <sup>2</sup>              | 8.50                    | MPa               | ASTM D412   |
| Tensile Elongation <sup>3</sup> (Break)    | 580                     | %                 | ASTM D412   |
| Tear Strength <sup>4</sup>                 | 38.0                    | kN/m              | ASTM D624   |
| Compression Set <sup>5</sup> (70°C, 22 hr) | 40                      | %                 | ASTM D395B  |
| Injection                                  | Nominal Value           | Unit              |             |
| Drying Temperature                         | 80.0                    | °C                |             |
| Drying Time                                | 3.0                     | hr                |             |
| Rear Temperature                           | 160                     | °C                |             |
| Middle Temperature                         | 170                     | °C                |             |
| Front Temperature                          | 180                     | °C                |             |
| Nozzle Temperature                         | 185                     | °C                |             |
| Mold Temperature                           | 20.0 to 40.0            | °C                |             |
| NOTE                                       |                         |                   |             |
| 1.                                         | Die C                   |                   |             |
| 2.                                         | Die C                   |                   |             |
| 3.                                         | Die C                   |                   |             |

|    |        |
|----|--------|
| 4. | Die C  |
| 5. | Type 1 |

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