

**FORPRENE® 6E5901A90 NERO - TPV**

| <b>Physical properties</b> | <b>Value</b> | <b>Unit</b>        | <b>Test Standard</b> |
|----------------------------|--------------|--------------------|----------------------|
| Density                    | 61.2         | lb/ft <sup>3</sup> | ISO 1183             |

| <b>Mechanical properties (TPE)</b>      | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| Tensile stress at 100%, perpendicular   | 754          | psi         | ISO 37               |
| Tensile stress at 300%, perpendicular   | 972          | psi         | ISO 37               |
| Compression set, 70 °C, 22h, Type A     | 56           | %           | ISO 815              |
| Tensile strain at break, perpendicular  | 590          | %           | ISO 37               |
| Tensile stress at break, perpendicular  | 1770         | psi         | ISO 37               |
| Shore A hardness-TPE, 15s               | 91           | -           | ISO 868              |
| Tear strength, Method Ba, perpendicular | 389          | lb/in       | ISO 34-1             |

**Typical injection moulding processing conditions**

| <b>Temperature</b> | <b>Value</b> | <b>Unit</b> |
|--------------------|--------------|-------------|
| Zone1 temperature  | 338 - 356    | °F          |
| Zone2 temperature  | 356 - 374    | °F          |
| Zone3 temperature  | 365 - 383    | °F          |
| Nozzle temperature | 356 - 374    | °F          |
| Mold temperature   | 68 - 104     | °F          |

**Typical extrusion processing conditions**

| <b>Temperature</b>   | <b>Value</b> | <b>Unit</b> |
|----------------------|--------------|-------------|
| Zone 1 temperature   | 338 - 356    | °F          |
| Zone 2 temperature   | 356 - 374    | °F          |
| Zone 3 temperature   | 365 - 383    | °F          |
| Die head temperature | 374 - 392    | °F          |

**Other text information**
**Pre-drying**

3h@80C

**Longer pre-drying times/storage**

Forprene must be stored indoors in the original, unopened and undamaged packaging, away from direct sunlight, moisture and heat.