

FORPRENE® 6NE901A65/1 NERO - TPV

| Physical properties | Value | Unit | Test Standard |
|----------------------------|--------------|--------------------|----------------------|
| Density | 59.7 | lb/ft ³ | ISO 1183 |

| Mechanical properties (TPE) | Value | Unit | Test Standard |
|---|--------------|-------------|----------------------|
| Tensile stress at 100%, perpendicular | 348 | psi | ISO 37 |
| Tensile stress at 300%, perpendicular | 595 | psi | ISO 37 |
| Compression set, 70 °C, 22h, Type A | 44 | % | ISO 815 |
| Tensile strain at break, perpendicular | 481 | % | ISO 37 |
| Tensile stress at break, perpendicular | 841 | psi | ISO 37 |
| Shore A hardness-TPE, 15s | 67 | - | ISO 868 |
| Tear strength, Method Ba, perpendicular | 166 | lb/in | ISO 34-1 |
| Tensile set (elastomers) | 13 | % | ASTM D412 |

Typical injection moulding processing conditions

| Temperature | Value | Unit |
|--------------------|--------------|-------------|
| Zone1 temperature | 320 - 338 | °F |
| Zone2 temperature | 347 - 365 | °F |
| Zone3 temperature | 356 - 374 | °F |
| Nozzle temperature | 329 - 347 | °F |
| Mold temperature | 68 - 104 | °F |

Typical extrusion processing conditions

| Temperature | Value | Unit |
|----------------------|--------------|-------------|
| Zone 1 temperature | 320 - 338 | °F |
| Zone 2 temperature | 347 - 365 | °F |
| Zone 3 temperature | 356 - 374 | °F |
| Die head temperature | 365 - 383 | °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.