

**FORPRENE® 6E0901A45 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	203	psi	ISO 37
Tensile stress at 300%, perpendicular	348	psi	ISO 37
Compression set, 70 °C, 22h, Type A	30	%	ISO 815
Tensile strain at break, perpendicular	552	%	ISO 37
Tensile stress at break, perpendicular	638	psi	ISO 37
Shore A hardness-TPE, 15s	46	-	ISO 868
Tear strength, Method Ba, perpendicular	103	lb/in	ISO 34-1
Tensile set (elastomers)	8	%	ASTM D412

**Typical injection moulding processing conditions**

<b>Temperature</b>	<b>Value</b>	<b>Unit</b>
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**

<b>Temperature</b>	<b>Value</b>	<b>Unit</b>
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.