

FORPRENE® 6NM901A90 NERO - TPV

Physical properties	Value	Unit	Test Standard
Density	59.9	lb/ft ³	ISO 1183
Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	812	psi	ISO 37
Tensile stress at 300%, perpendicular	1020	psi	ISO 37
Compression set, 70 °C, 22h, Type A	52	%	ISO 815
Compression set, 100 °C, 22h, Type A	61	%	ISO 815
Tensile strain at break, perpendicular	635	%	ISO 37
Tensile stress at break, perpendicular	1730	psi	ISO 37
Shore A hardness-TPE, 15s	91	-	ISO 868
Tear strength, Method Ba, perpendicular	331	lb/in	ISO 34-1
Tensile set (elastomers)	38	%	ASTM D412

Typical injection moulding processing conditions

Temperature	Value	Unit
Zone1 temperature	347 - 365	°F
Zone2 temperature	365 - 383	°F
Zone3 temperature	383 - 401	°F
Nozzle temperature	401 - 419	°F
Mold temperature	68 - 104	°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.

Characteristics

Special Characteristics	Auto spec approved
Processing	Injection molding