

FORPRENE® 6NM901A55/IW NERO - TPV

Physical properties	Value	Unit	Test Standard
Density	60	lb/ft ³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	276	psi	ISO 37
Tensile stress at 300%, perpendicular	537	psi	ISO 37
Compression set, 70 °C, 22h, Type A	23	%	ISO 815
Compression set, 125 °C, 70h, Type A	43	%	ISO 815
Tensile strain at break, perpendicular	430	%	ISO 37
Tensile stress at break, perpendicular	711	psi	ISO 37
Shore A hardness-TPE, 15s	56	-	ISO 868
Tear strength, Method Ba, perpendicular	120	lb/in	ISO 34-1
Tensile set (elastomers)	9	%	ASTM D412

Typical injection moulding processing conditions

Temperature	Value	Unit
Zone1 temperature	311 - 329	°F
Zone2 temperature	329 - 347	°F
Zone3 temperature	347 - 365	°F
Nozzle temperature	356 - 374	°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

Processing Injection molding