

FORPRENE® 6NM901A55 NERO - TPV

Physical properties	Value	Unit	Test Standard
Density	59.6	lb/ft³	ISO 1183
Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	247	psi	ISO 37
Tensile stress at 300%, perpendicular	435	psi	ISO 37
Compression set, 70 °C, 22h, Type A	30	%	ISO 815
Tensile strain at break, perpendicular	487	%	ISO 37
Tensile stress at break, perpendicular	595	psi	ISO 37
Shore A hardness-TPE, 15s	56	-	ISO 868
Tear strength, Method Ba, perpendicular	114	lb/in	ISO 34-1
Tensile set (elastomers)	12	%	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

Special Characteristics	Auto spec approved
Processing	Injection molding

Other Approvals

OEM	Specification	Additional Information
Mercedes-Benz Group (Daimler)*	DBL 5562	(5562.30) No longer valid norm, kept here for historical purposes only