

FORPRENE® 6NM901A65 NERO - TPV

Physical properties	Value	Unit	Test Standard
Density	59.3	lb/ft ³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	3988.55	psi	ISO 527-1, -2
Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	348	psi	ISO 37
Tensile stress at 300%, perpendicular	580	psi	ISO 37
Compression set, 70 °C, 22h, Type A	27	%	ISO 815
Compression set, 100 °C, 22h, Type A	48	%	ISO 815
Tensile strain at break, perpendicular	467	%	ISO 37
Tensile stress at break, perpendicular	769	psi	ISO 37
Shore A hardness-TPE, 15s	67	-	ISO 868
Tear strength, Method Ba, perpendicular	149	lb/in	ISO 34-1
Tensile set (elastomers)	14	%	ASTM D412
Thermal properties	Value	Unit	Test Standard
Glass transition temperature, 10 °C/min	-73.5	°F	ISO 11357-1,-2,-3
Low temperature brittleness	-86.1	°F	ISO 812

Typical injection moulding processing conditions

Temperature	Value	Unit
Zone1 temperature	347 - 365	°F
Zone2 temperature	365 - 383	°F
Zone3 temperature	374 - 392	°F
Nozzle temperature	383 - 401	°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Mercedes-Benz Group (Daimler)*	DBL 5562	(5562.30) No longer valid norm, kept here for historical purposes only
Mercedes-Benz Group (Daimler)	DBL 5562	(5562.17)
Renault	UB09f	PMR2020
VW Group	VW50123	