

FORPRENE® 6K5901A50 NERO - TPV

Physical properties	Value	Unit	Test Standard
Density	61.8	lb/ft ³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	247	psi	ISO 37
Tensile stress at 300%, perpendicular	406	psi	ISO 37
Compression set, 70 °C, 22h, Type A	39	%	ISO 815
Tensile strain at break, perpendicular	540	%	ISO 37
Tensile stress at break, perpendicular	740	psi	ISO 37
Shore A hardness-TPE, 15s	55	-	ISO 868
Tear strength, Method Ba, perpendicular	137	lb/in	ISO 34-1

Typical injection moulding processing conditions

Temperature	Value	Unit
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

Temperature	Value	Unit
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.