

FORPRENE® NERO 6E1901A80 - TPV

Physical properties	Value	Unit	Test Standard
Density	1250	kg/m³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100% strain	3.2	MPa	ISO 37
Tensile stress at 300% strain	4	MPa	ISO 37
Tensile strain at break (TPE)	503	%	ISO 37
Tensile stress at break (TPE)	5.4	MPa	ISO 37
Shore A hardness, 15s	82	-	ISO 868
Tear strength	30	kN/m	ISO 34-1

Thermal properties	Value	Unit	Test Standard
Flammability @1.6mm nom. thickn.	V-0	class	UL 94

Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Zone1 temperature	170 - 180	°C	-
Zone2 temperature	180 - 190	°C	-
Zone3 temperature	185 - 195	°C	-
Nozzle temperature	180 - 190	°C	-
Extrusion Molding, Head Temperature	190 - 200	°C	Internal

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

Flame retardant

