

FORPRENE® NERO 6E1901D42 - TPV

Physical properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100% strain	6.7	MPa	ISO 37
Tensile stress at 300% strain	7.4	MPa	ISO 37
Tensile strain at break (TPE)	515	%	ISO 37
Tensile stress at break (TPE)	9.8	MPa	ISO 37
Shore D hardness, 15s	43	-	ISO 868
Tear strength	51	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