



## PoliXL PA6NL

PA6, Natural, Medium Viscosity, Lubricated

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.13g/cc	1.13g/cc	D792
Melt Flow Rate (2.16 kg, 235 °C)	37 g/10min	37 g/10min	D1238
Relative Viscosity	50 w/w	50 w/w	D789
TiO2	0%	0%	XRF

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	10,500 psi	74 MPa	ISO 527
Tensile Strain (Break)	50%	50%	ISO527
Flexural Modulus	410,000 psi	2,800 MPa	ISO 178
Flex Strength	16,000 psi	110MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength 23°C	1.0 ft-lb/in	5.3 kJ/m <sup>2</sup>	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	428 °F	220°C	ISO 11357

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