

TRIMID® N6000HL

PA6

Amco Polymers

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	85.5	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2827	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	174	°C	ASTM D 648
DTUL @ 264 psi	62.8	°C	ASTM D 648
Melting Temperature	216	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.6	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	232 - 271	°C	-
Mold temperature	21.1 - 93.3	°C	-
Zone 1	216	°C	-
Zone 2	227 - 254	°C	-
Zone 3	238 - 266	°C	-
Nozzle temperature	238 - 266	°C	-
Screw speed	40 - 80	rpm	-
Injection pressure	82.7 - 172	MPa	-
Back pressure	0 - 0.345	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa