

TRIMID® N60G50HL Natural

PA6-GF50

Amco Polymers

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Stress at break	221 / 144	MPa	ISO 527
Strain at break	1.5 / 4	%	ISO 527
Flexural modulus, 23°C	14100 / 8760	MPa	ISO 178
Flexural strength	338 / 209	MPa	ISO 178
Charpy notched impact strength, +23°C	18.1 / 35.7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	18.1 / 37.8	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	227 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	233 / *	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1570 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	71.1	°C	-
Pre-drying - Time	4	h	-
Melt temperature	271 - 293	°C	-
Mold temperature	26.7 - 93.3	°C	-
Zone 1	254	°C	-
Zone 2	268	°C	-
Zone 3	285	°C	-
Screw speed	30 - 60	rpm	-
Injection pressure	68.9	MPa	-
Back pressure	0.0689 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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