

TRIMID® N61G30HLUV3 BK

PA6-GF30

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	155 / 93.1	MPa	ISO 527
Strain at break	2 / 5	%	ISO 527
Flexural modulus, 23°C	8890 / 5520	MPa	ISO 178
Flexural strength	258 / 160	MPa	ISO 178
Charpy notched impact strength, +23°C	12 / 20	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	12 / 20	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1370 / -	kg/m ³	ISO 1183

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

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Certifications

RoHS compliant

Regional Availability

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