

**NYLEM 6 IM**

PA6

Emas Plastik San.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1600	MPa	ISO 527
Tensile Strength	50	MPa	ISO 527
Strain at break	30	%	ISO 527
Izod notched impact strength, +23°C	30	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	68	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	70	°C	ISO 75-1/-2
Vicat softening temperature, B	205	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1080	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	250 - 300	°C	-
Mold temperature	80 - 100	°C	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Regional Availability**

Europe, Near East/Africa

**Special Characteristics**

High impact or impact modified