

Product Description

Hight Flow, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6
Additive	· Hight Flow
Processing	· Injection Molding
Color	· Natural

- The information below is for informational purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Density / Specific Gravity	1,13 to 1,15	g/cm ³	ASTM D 792
Mold Shrinkage	1 to 1,5	%	ASTM D 955
Water Absorption	1,7	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	70	MPa	ASTM D 638
Tensile Modulus	3500	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Strength	100	MPa	ASTM D 790
Flexural Modulus	3000	MPa	ASTM D 790
Yield stress	85	MPa	ASTM D 638
Yield Strain	4	%	ASTM D 638
Strain at Break	12	%	ASTM D 638
Nominal Strain at Break	20	%	ASTM D 638
Notched Izod Impact	60	J/m	ASTM D 256

Thermal	Value	Unit	Method
Melting Point	210 to 225	°C	ASTM D 2117
Deflection Temperature 1,8 MPa	70	°C	ASTM D 648
Vicat Softening Temperature	205	°C	ASTM D 1525A

Process	Value	Unit	Method
Molding Process Temperature	220 to 240	°C	--
Mold Temperature	40 to 80	°C	--
Processing Moisture Content	0,2	%	--
Drying	80/4	°C/Hours	--

Data contained in this Data Sheet have been obtained in laboratory and reflect the average number of batches produced. This information is current as of the date on which it was authorized to print this. The Petropol reserves the right to alter designs, specifications and information on its products at any time or discontinue them, regardless of any notice or statement without incurring liability of any kind.