
Product Description

Lubricated, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6	
Additive	· Lubricated	
Processing	· Injection Molding	· Extrusion
Color	· Black	

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

Physical	Dry	Unit	Method
Density / Specific Gravity	1,13 to 1,15	g/cm ³	ASTM D 792/A
Mold Shrinkage		%	ASTM D 955
Parallel	1,0 to 1,5		
Water Absorption		%	ASTM D 570
Saturation	1,7		

Mechanical	Dry	50%RH	Unit	Method
Tensile Strength	70	60	MPa	ASTM D 638
Elongation at Break	40	110	%	ASTM D 638
Flexural Strength	100	50	MPa	ASTM D 790
Flexural Modulus	3000	1500	MPa	ASTM D 790
Izod Notched Impact Strength			J/m	ASTM D 256
23°C	60	90		

Thermal	Value	Unit	Method
Melting Point	210 ~ 225	°C	ASTM D 2117
Heat Deflection Temperature		°C	ASTM D 648
1,82 MPa	70		
Vicat Softening Temperature	205	°C	ASTM D 1525A

Process		Unit	Method
Molding Process Temperature	220 to 240	°C	--
Mold Temperature	40 to 80	°C	--
Drying	80 to 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.