

Product Description

Lubricated, Polyamide 6

General Considerations

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

- 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	g/cm ³	ASTM D 792/A
Relative Viscosity	2,7	-	-
Mold Shrinkage		%	ASTM D 955
Parallel	1,1		
Water Absorption		%	ASTM D 570
Saturation	10		

Mechanical	Dry	50%RH	Unit	Method
Tensile Strength	95	55	MPa	ASTM D 638
Elongation at Break	4	25	%	ASTM D 638
Tensile Modulus	3800	1250	MPa	ASTM D 638
Flexural Strength	100	-	MPa	ASTM D 790
Flexural Modulus	2300	-	MPa	ASTM D 790
Charpy Notched Impact Strength			kJ/m ²	ASTM D 6110
-23°C	4	4		
23°C	8	35		
Hardness, Rockwell			--	ASTM D 785
Scale R	116 to 122			

Thermal	Value	Unit	Method
Melting Point	220	°C	ISO 3146/A
Heat Deflection Temperature		°C	ASTM D 648
0,45 MPa	160		
1,82 MPa	60		
Vicat Softening Temperature	210	°C	ASTM D 1525
Coefficient of Linear Thermal Expansion		E-4/°C	ASTM E 831
Parallel	7		
Transverse	10		
Flammability	HB		UL 94

Electrical	Value	Unit	Method
Surface Resistivity	1,0E14	ohm	IEC 60093

Process		Unit	Method
Molding Process Temperature	230 to 250	°C	--
Mold Temperature	50 to 80	°C	--
Drying	80/2 to 4	°C/Hours	--

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