

Product Description

UV Stabilized, Conductive Properties, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6	
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	1,18 - 1,22	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	50	40	MPa	ASTM D 638
Elongation at Break	30	100	%	ASTM D 638
Flexural Strength	100	50	MPa	ASTM D 790
Flexural Modulus	2300	1500	MPa	ASTM D 790
Izod Notched Impact Strength			J/m	ASTM D 256
23°C	58	81		

Thermal	Value	Unit	Method
Melting Point	210 ~ 225	°C	ASTM D 2117
Heat Deflection Temperature		°C	ASTM D 648
0,45 MPa	160		
1,82 MPa	70		
Vicat Softening Temperature	205	°C	ASTM D 1525A

Electrical	Value	Unit	Method
Volume Resistivity	10 ³ ~ 10 ⁵	ohm/in ²	ASTM D257

Process	Value	Unit	Method
Molding Process Temperature	220 to 240	°C	--
Mold Temperature	40 to 80	°C	--
Drying	80 to 4	°C/Hours	--

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