

**Product Description**

Heat Stabilized, Polyamide 66

**General Considerations**

Resin ID (ISO 1043)	· PA66	
Additive	· Heat Stabilized	
Processing	· Injection Molding	· Extrusion
Color	· Black	

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

Physical	Value	Unit	Method
Density / Specific Gravity	1,14	g/cm <sup>3</sup>	ASTM D 1238
Mold Shrinkage	1,6	%	ISO 294-4
Water Absorption	1,3	%	ISO 62

Mechanical	Dry	50%RH	Unit	Method
Yield Strength at break	45	35	MPa	ISO 527-1-2
Yield Strain	5	12	%	ISO 527-1-2
Strain at break	50	200	%	ISO 527-1-2
Tensile Modulus	2800	1200	MPa	ISO 527-1-2
Flexural Strength	105	60	MPa	ISO 178
Flexural Modulus	2900	1100	MPa	ISO 178
Izod Impact Strength			kJ/m <sup>2</sup>	ISO 180/1U
23°C	Non-Break	Non-Break		
Izod Notched Impact Strength			kJ/m <sup>2</sup>	ISO 180/1A
23°C	3,5	9,0		
Charpy Impact Strength			kJ/m <sup>2</sup>	ISO 179/1eU
23°C	Non-Break	Non-Break		
Charpy Notched Impact Strength			kJ/m <sup>2</sup>	ISO 179/1eA
23°C	4	9		

Thermal	Value	Unit	Method
Melting Point	240 to 265	°C	--
Heat Deflection Temperature		°C	ISO 75-2
0,45 Mpa	180		
1,82 Mpa	79		

Flammability	Value	Unit	Method
Flame Rating	HB	-	UL94

Electrical	Dry	50%RH	Unit	Method
Surface Resistivity	1,00E15	1,00E13	Ω	IEC 60093
Volume Resistivity	1,00E15	1,00E14	Ω.cm	IEC 60093
Electrical Strength	25	22	kV/mm	IEC 60243-1

Process	Value	Unit	Method
Molding Process Temperature	260 to 280	°C	--
Mold Temperature	70 to 100	°C	--
Drying	90/3	°C/Hours	--

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