

**Product Description**

Heat Stabilized, UV-Protection, Polyamide 66

**General Considerations**

Resin ID (ISO 1043)	· PA66	
Additive	· Heat Stabilized	· UV Resistant
Processing	· Injection Molding	· Extrusion
Color	· RAL 3002	

Physical	Dry	50%RH	Unit	Method
Density / Specific Gravity	1,12 to 1,16		g/cm <sup>3</sup>	ISO 1183
Mold Shrinkage			%	ISO 294-4
Parallel	1,5 to 2,0			
Normal	1,5 to 2,0			
Water Absorption			%	ISO 62
Saturation (Water at 70°C / 19h)		4,0		
Equilibrium (23°C)		1,0 to 2,0		

Mechanical	Dry	50%RH	Unit	Method
Yield Stress (50 mm/min)	80	60	MPa	ISO 527-1-2
Yield Strain (50 mm/min)	10	25	%	ISO 527-1-2
Flexural Strength (2 mm/min)	110	65	MPa	ISO 178
Flexural Modulus (2 mm/min)	2600	1250	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	6,0	9,0		

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	--

Process		Unit	Method
Molding Process Temperature	260 to 290	°C	--
Mold Temperature	60 to 80	°C	--
Drying	80/4	°C/Hours	--

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