

Heramid® A NER MP/1K

Polyamide 66

Radici Plastics

Message:

PA66 injection moulding grade. Toughened, heat stabilized. Black colour.

Post-industrial grade produced with selected polymers coming from polymerization, fibres and compounding plants.

ISO 1043 : PA66-IT

General Information			
Additive	Heat Stabilizer		
Features	Good Toughness		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA66-IT		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	53	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	30	%	ISO 527-2/1A/50
Flexural Modulus ¹	2200	MPa	ISO 178
Flexural Stress ²	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	66.0	°C	ISO 75-2/Af
Melting Temperature	260	°C	ISO 11357
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0	°C	
Drying Time - Desiccant Dryer	2.0 to 4.0	hr	
Dew Point - Desiccant Dryer	< -20.0	°C	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	270 to 290	°C	

Mold Temperature	80.0 to 90.0	°C
Injection Rate	Moderate-Fast	
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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