

Heramid® S NER GFP 3010

Polyamide 6

Radici Plastics

Message:

PA6 30% glass fiber and mineral filler reinforced injection moulding grade. Black colour.

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

ISO 1043 : PA6 (GF+MX)30

General Information			
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Recycled Content	Yes		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA6 (GF+MX)30		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	6400	MPa	ISO 178
Flexural Stress ²	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/Af
Melting Temperature ³	222	°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	240 to 280	°C	
Mold Temperature	80.0 to 90.0	°C	
Injection Rate	Moderate-Fast		
NOTE			

1.	2.0 mm/min
2.	2.0 mm/min
3.	10°C/min

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