

# Heramid® A RCW2010W 3733 BK

## Radici Group High Performance Polymers - Polyamide 66

### General Information

#### Product Description

PA66 20% glass fibre and mineral reinforced, heat stabilized injection moulding grade. Black colour

Post-industrial grade produced with selected polymers coming from polymerization, fibres and compounding plants. Suitable for parts requiring rigidity, dimensional control, and low warp after repeated high temperature exposure.

#### General

Filler / Reinforcement	• Glass Fiber/Mineral, 20% Filler by Weight
Additive	• Heat Stabilizer
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer
Features	• Good Dimensional Stability • Heat Stabilized • Low Warpage • Good Rigidity • High Heat Resistance
Uses	• Automotive Applications
Agency Ratings	• EU 2011/65/EC
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-TMG20

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	798000	psi	ISO 527-1/1A/1
Tensile Stress (Break)	15400	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Flexural Modulus <sup>2</sup>	653000	psi	ISO 178
Flexural Stress <sup>2</sup>	22800	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.1	ft·lb/in <sup>2</sup>	ISO 179/1eA
Notched Izod Impact Strength (73°F)	1.9	ft·lb/in <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>3</sup>	498	°F	ISO 11357-3

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	176	°F
Drying Time - Desiccant Dryer	2.0 to 4.0	hr
Dew Point - Desiccant Dryer	< -4	°F
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	527 to 572	°F
Mold Temperature	176 to 212	°F
Injection Rate	Moderate-Fast	