

# Radilon® A NER GF350/1K

## Radici Group High Performance Polymers - Polyamide 66

### General Information

#### Product Description

PA66 35% glass fibre reinforced injection moulding grade. Heat stabilized. Black colour.

Grade containing re-compounded polymer, from selected raw materials coming from polymerization, fibre and compounding plants of Radici Group.

#### General

Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Additive	• Heat Stabilizer
Recycled Content	• Yes
Features	• Heat Stabilized
Uses	• Automotive Applications
Agency Ratings	• EU 2011/65/EC
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-T GF35

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

Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm <sup>3</sup>	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.52E+6	1.03E+6	psi	ISO 527-1/1A/1
Tensile Stress (Break)	24700	16000	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	3.5	%	ISO 527-2/1A/5
Flexural Modulus <sup>2</sup>	1.38E+6	--	psi	ISO 178
Flexural Stress <sup>2</sup>	37700	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength 73°F	4.3	7.1	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F	31	38	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	464	--	°F	ISO 75-2/Af
Melting Temperature <sup>3</sup>	500	--	°F	ISO 11357-3

### Processing Information

Injection	Dry	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	536 to 572	°F

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Injection	Dry Unit
Mold Temperature	176 to 212 °F
Injection Rate	Moderate-Fast

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 0.079 in/min

<sup>3</sup> 10°C/min