

Heramid® A EGF015W 3733 BK

 Radici Group High Performance Polymers - *Polyamide 66*
General Information
Product Description

PA66 15% glass fiber reinforced injection moulding grade, impact modified. Heat stabilized. Black colour.

Post-industrial grade produced with selected polymers coming from polymerization, fibres and compounding plants. Suitable for parts requiring stiffness, impact, heat resistance, and good aesthetics.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Additive	• Heat Stabilizer
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer
Features	• Good Heat Resistance • Good Stiffness • Pleasing Surface Appearance • Good Impact Resistance • Heat Stabilized
Uses	• Automotive Applications
Agency Ratings	• EU 2011/65/EC
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• STELLANTIS MS-DB-41 CPN4623
Appearance	• Black
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-IT-GF15

Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/1.0 kg)	7.0	--	g/10 min	ISO 1133
Molding Shrinkage				ISO 294-4
Across Flow	1.1	--	%	
Flow	0.90	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	696000	--	psi	ISO 527-1/1A/1
Tensile Stress (Break)	12600	--	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.8	--	%	ISO 527-2/1A/5
Flexural Modulus ²	645000	--	psi	ISO 178
Flexural Stress ²	21000	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.4	--	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	--	ft·lb/in ²	ISO 179/1eU
Notched Izod Impact Strength (73°F)	3.6	--	ft·lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	21	--	ft·lb/in ²	ISO 180/1U
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	473	--	°F	ISO 75-2/Bf
Deflection Temperature Under Load (264 psi, Unannealed)	437	--	°F	ISO 75-2/ Af
Vicat Softening Temperature	455	--	°F	ISO 306/B50
Melting Temperature ³	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	527 to 572 °F
Mold Temperature	176 to 212 °F
Injection Rate	Moderate-Fast

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.079 in/min

³ 10°C/min

