

Heramid® A EGFP1507 900 GY

Radici Group High Performance Polymers - *Polyamide 66*

General Information

Product Description

PA66 15% mineral filler and glass fibre reinforced, impact modified and heat stabilized injection moulding grade. Modified with ABS, good dimensional stability and good processability. Grey colour

Product made with raw material from post-industrial selected plant and from textile polymerization and compounding. Suitable to wheel covers.

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 Dimensional Stability • Good Processability • Good Impact Resistance • Heat Stabilized
Uses	• Automotive Applications
Agency Ratings	• EU 2011/65/EC
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• GM GMW15702-52003-PA66+ABS-GF7-M8
Appearance	• Grey
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-IT (GF+MX)15

Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.23	--	g/cm ³	ISO 1183
Viscosity Index - Sulfuric Acid	3740	--	in ³ /lb	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	638000	--	psi	ISO 527-1/1A/1
Tensile Stress (Break)	10900	--	psi	ISO 527-2/1A/5
Tensile Strain (Break)	4.5	--	%	ISO 527-2/1A/5
Flexural Modulus ²	508000	--	psi	ISO 178
Flexural Stress ²	16700	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.0	--	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	--	ft·lb/in ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	419	--	°F	ISO 75-2/Bf
Deflection Temperature Under Load (264 psi, Unannealed)	329	--	°F	ISO 75-2/Af
Melting Temperature ³	500	--	°F	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity ⁴	1.0E+12	1.0E+10	ohms	IEC 62631-3-2
Volume Resistivity ⁴	1.0E+15	1.0E+13	ohms·cm	IEC 62631-3-1
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.031 in)	HB	--		UL 94

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	0.15 %
Processing (Melt) Temp	500 to 554 °F
Mold Temperature	140 to 176 °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

⁴ 500V

