

Radiflam® A RV150W HF 3739 BK

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

PA66 15% glass fibre reinforced, flame retardant, injection moulding grade, halogen and red phosphorus free, heat stabilized. Black colour.

Suitable for parts requiring fire retardancy along with high stiffness and good mechanical resistance. Good electrical properties. Tested V-0 according to UL-94 method.

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	• Flame Retardant • Heat Stabilizer
Features	• Flame Retardant • Heat Stabilized • Low (to None) Phosphorus Content • Halogen Free • High Stiffness
Uses	• Automotive Applications
Agency Ratings	• EU 2011/65/EC
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• GM GMW16864P-PA-GF15H
Appearance	• Black
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-T GF15 FR(40)

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	868000	psi	ISO 527-1/1A/1
Tensile Stress (Break)	13800	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.7	%	ISO 527-2/1A/5
Flexural Modulus ²	873000	psi	ISO 178
Flexural Stress ²	20700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	ft-lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	482	°F	ISO 75-2/Bf
Deflection Temperature Under Load (264 psi, Unannealed)	428	°F	ISO 75-2/Af
Melting Temperature ³	500	°F	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	V-0		UL 94

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	518 to 554	°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

