

## PRODUCT INFORMATION

# RADIFLAM A RV150 AF 339 BK

PROVISIONAL

### DESCRIPTION

PA66 flame retardant injection moulding grade with red phosphorus. 15% Glass fiber reinforced. Deep black colour.

Suitable for parts requiring fire retardancy and improved stiffness. Rated V-0 at 0.75 mm according to UL-94.

ISO 1043: PA66 GF15 FR(52)

THE CHARACTERISTICS SHOWN HERE ARE PROVISIONAL AND REFLECT THE AVERAGE VALUES OF PROPERTIES MEASURED OVER A LIMITED NUMBER OF PRODUCTION CAMPAIGNS

REGIONAL AVAILABILITY: North America, Europe, Asia Pacific, South and Central America, Near East/Africa

### MATERIAL HANDLING AND PROCESSING

The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.10%. Typical conditions with a desiccant drier: temperature 80 ° C, dew point -20 ° C or below, time 2-4 h or more. Avoid excessive shear rates and high thermal stresses for better processing. Special care must be taken to avoid moisture absorption and contamination with other polymers when adding regrind material. Colour variation and mechanical properties reduction may occur and should always be carefully monitored. The material can not be used to produce parts operating in hot and humid environments (> 70°C / 160°F), or in contact with hot water or overheated steam.

#### Injection Molding Processing Parameters

Melt Temperature	Mold Temperature	Injection Speed
280 - 300°C	80 - 100°C	medium-high

### PRODUCT SAFETY AND APPROVALS

For safety instruction please refer to Material Safety Data Sheet

Underwriters Laboratories Inc. certified material. File number: E116324 [www.ul.com](http://www.ul.com)

ROHS compliant 2011/65/UE and following amendments

# TECHNICAL DATA SHEET

## RADIFLAM A RV150 AF 339 BK

PROPERTY	STANDARD	UNIT	VALUE	DAM*	Cond**
<b>PHYSICAL PROPERTIES</b>					
Density	ISO 1183	kg/m <sup>3</sup>	1290		
<b>MECHANICAL PROPERTIES</b>					
Tensile Modulus	1mm/min	ISO 527-2/1A	MPa	6000	
Stress at Break	5mm/min	ISO 527-2/1A	MPa	105	
Strain at Break	5mm/min	ISO 527-2/1A	%	4	
Flexural Modulus	2mm/min	ISO 178	MPa	5700	
Flexural Strength	2mm/min	ISO 178	MPa	165	
Charpy Impact Strength	+23°C	ISO 179/1eU	kJ/m <sup>2</sup>	37	
Charpy Notched Impact Strength	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	5	
<b>THERMAL PROPERTIES</b>					
Melting Temperature	10°C/min	ISO 11357-1/-3	°C	260	
Heat Deflection Temperature	1.80 MPa	ISO 75/2Af	°C	215	
Vicat Softening Temperature	50°C/h 50N	ISO 306	°C	220	
<b>FLAMMABILITY PROPERTIES</b>					
Flammability	0.8mm	UL 94	class	V-0	
Glow Wire Flammability Index	1mm	IEC 60695-2-1/2	°C	960	
Automotive Interior Flammability	3mm	ISO 3795	mm/min	0	
<b>ELECTRICAL PROPERTIES</b>					
Volume Resistivity	500V	IEC 60093	Ohm*m	1E13	1E11
Surface Resistivity	500V	IEC 60093	Ohm	1E12	1E10

\*: DAM = Dry As Moulded state according to ISO 16396-2 \*\*: Cond = Conditioned state similar to ISO 1110