



RADIFLAM S RV150 HF 339 BK

PROVISIONAL

DESCRIPTION

PA6 flame retardant injection moulding grade, halogen and red phosphorus free. 15% glass fibre reinforced. Deep Black colour.

Suitable for parts requiring fire retardancy along with improved stiffness and mechanical resistance. Good electrical insulating properties. Rated V-0 when tested in accordance with UL-94 method.

ISO 1043: PA6-GF15 FR(40)

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

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

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.

Injection Molding Processing Parameters

Melt Temperature
240 - 280°C

Mold Temperature
60 - 80°C

Injection Speed
medium



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PROPERTY	STANDARD	UNIT	VALUE	
			DAM*	Cond**
PHYSICAL PROPERTIES				
Density	ISO 1183	kg/m ³	1280	
Water Absorption, immersion at 23°C	ISO 62	%		5.8
Moisture Absorption 23°C - 50%RH	ISO 62	%		1.8
MECHANICAL PROPERTIES				
Tensile Modulus	ISO 527-2/1A	MPa	6300	
Stress at Break	ISO 527-2/1A	MPa	95	
Strain at Break	ISO 527-2/1A	%	3.2	
Flexural Modulus	ISO 178	MPa	6100	
Flexural Strength	ISO 178	MPa	160	
Charpy Impact Strength	ISO 179/1eU	kJ/m ²	50	
Charpy Notched Impact Strength	ISO 179/1eA	kJ/m ²	7	
THERMAL PROPERTIES				
Melting Temperature	ISO 11357-1/-3	°C	220	
Heat Deflection Temperature	ISO 75/2Af	°C	180	
Heat Deflection Temperature	ISO 75/2Bf	°C	210	
FLAMMABILITY PROPERTIES				
Flammability	UL 94	class		V-0
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Automotive Interior Flammability	ISO 3795	mm/min		0
ELECTRICAL PROPERTIES				
Volume Resistivity	IEC 62631-3-1	Ohm*m	1E13	
Surface Resistivity	IEC 62631-3-2	Ohm	1E12	
Comparative Tracking Index	IEC 60112	V	550	

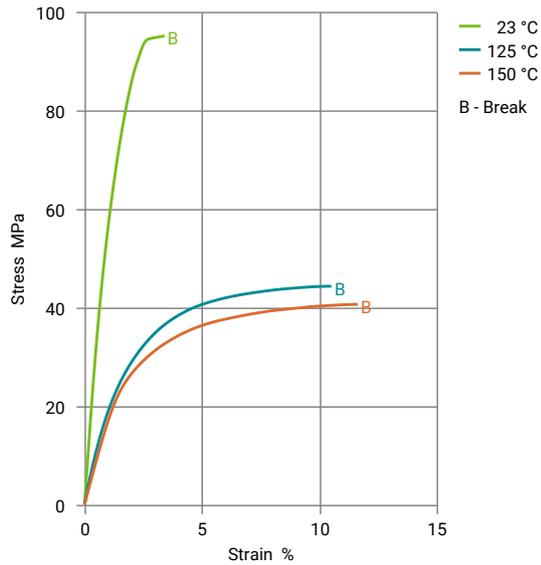
*: DAM = Dry As Moulded state according to ISO 16396-2, **: Cond = Conditioned state similar to ISO 1110



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DIAGRAMS

Stress-strain (dry)



Secant modulus-strain (dry)

