



RADIFLAM B RV300K AE 135 NAT 2467 Colour code

Material code

DESCRIPTION

PROVISIONAL

PBT flame retardant injection moulding grade. 30% glass fiber reinforced. Natural colour.

Suitable for parts requiring fire retardancy along with high stiffness and good mechanical resistance. Rated V-0 according to UL-94.

ISO 1043 : PBT GF30 FR(16+62)

MATERIAL HANDLING AND PROCESSING

The material is delivered in moisture-proof packaging. It is important to dry the material prior to processing: maximum recommended water content is 0.02%. Typical conditions with a desiccant drier: temperature 120 ° C, dew point -40 ° 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.

Processing Parameters

Melt Temperature: Mold Temperature: Injection Speed: 250 ÷ 280°C 80 ÷ 90°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

RoHS compliant 2011/65/UE and following amendments

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The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience become available. The data provided reflects the average values of the properties measured over an adequate number of different production cycles and relates only to the designated material; this data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits nor used alone as the basis of design; it is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Radici Plastics cannot anticipate all variations in actual end-use conditions Radici Plastics makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.





Technical data sheet PROVISIONAL

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PROPERTY		STANDARD	UNIT	VALUE
Physical Properties				
Density Moulding shrinkage – Parallel / Normal	270/80/60*	ISO 1183 ISO 294-4	Kg/m ³ %	1660 0,4 / 0,9
Mechanical Properties				
Tensile Modulus Stress at Break Strain at Break Flexural Modulus Flexural Strength Charpy Notched Impact Strength	1mm/min 5mm/min 5mm/min 2mm/min +23°C	ISO 527-2/1A ISO 527-2/1A ISO 527-2/1A ISO 178 ISO 178 ISO 179/1 eA	MPa MPa % MPa KJ/m ²	10770 140 2 9850 200 9,5
Thermal Properties				
Melting Temperature Heat Deflection Temperature Heat Deflection Temperature Vicat Softening Temperature	10°C/min 1.8 MPa 0.45 MPa 50°C/h	ISO 11357-1-3 ISO 75/2 A f ISO 75/2 B f ISO 306/B50 50N	0 0 0 0	225 205 220 210
Flammability Properties				
Flammability Glow Wire Flammability Index Automotive interior flammability	0.8mm 1mm / 2mm Burn rate	UL 94 IEC 60695-2-1/2 FMVSS302	class °C/mm mm/min	V0 960 / 960 0

The characteristics shown here must be considered purely provisional and indicative for a product at developmental stage. *Melt Temp [°C] / Mold Temp [°C] / Cavity press [MPa]

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