

Radiflam® A RV250K AE 7704C BL

 Radici Group High Performance Polymers - *Polyamide 66*

General Information

Product Description

PA66 flame retardant injection moulding grade. 25% glass fiber reinforced. Blue colour.

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

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • Medium Stiffness
Agency Ratings	• EU 2011/65/EC
RoHS Compliance	• RoHS Compliant
Appearance	• Blue
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-GF25 FR(17+72)

 Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.62	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.41E+6	--	psi	ISO 527-1/1A/1
Tensile Stress (Break)	15200	--	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.5	--	%	ISO 527-2/1A/5
Flexural Modulus ²	1.41E+6	--	psi	ISO 178
Flexural Stress ²	21000	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (73°F)	12	--	ft·lb/in ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature	500	--	°F	ISO 11357
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity (500 V)	1.0E+12	1.0E+10	ohms	IEC 62631-3-2
Volume Resistivity (500 V)	1.0E+13	1.0E+11	ohms·m	IEC 62631-3-1
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.031 in)	V-0	--		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	0.10 %
Processing (Melt) Temp	536 to 572 °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
