

Radici Radiflam® A RV300AF (dry) Nylon 66-30GF

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Radiflam® A is a range of flame retardant polyamides 66 (PA 66) used for injection molding and extrusion for all applications where high fire resistance is required. Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radiflam-A-RV300AF-dry-Nylon-66-30GF.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	
Water Absorption	5.5 %	5.5 %	
Moisture Absorption at Equilibrium	1.3 %	1.3 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	
Elongation at Break	2.2 %	2.2 %	
Tensile Modulus	9.10 GPa	1320 ksi	
Charpy Impact Unnotched	4.70 J/cm ²	22.4 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	5.00 J/cm ²	23.8 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	
Vicat Softening Point	240 °C	464 °F	50°C/h
	@Load 5.10 kg	@Load 11.2 lb	

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00e+11$ ohm-cm	$\geq 1.00e+11$ ohm-cm	

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