

Radici Radiflam® A AE (cond.) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced, Flame Retardant

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-AE-cond-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	(Dry)
Water Absorption	6.2 %	6.2 %	initially dry
Moisture Absorption at Equilibrium	1.6 %	1.6 %	initially dry

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
Elongation at Break	3.2 %	3.2 %	
Tensile Modulus	2.30 GPa	334 ksi	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.220 J/cm ²	1.05 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.330 J/cm ²	1.57 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	(Dry)

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Comparative Tracking Index	350 V	350 V	

Electrical Properties

Metric

English

Comments

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