

Radici Radilon® A HSK (cond.) Nylon 66

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

Material Notes:

Radilon® A is a range of polyamide 66 (PA66) products obtained through the polymerization of hexamethylenediamine and adipic acid, and used for injection, extrusion and blow-molding. Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-A-HSK-cond-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	(Dry)
Water Absorption	8.8 %	8.8 %	initially dry
Moisture Absorption at Equilibrium	2.1 %	2.1 %	initially dry
Viscosity Measurement	140	140	cm ³ /g Viscosity Number

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	67.0 MPa	9720 psi	
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	17 %	17 %	
Tensile Modulus	2.55 GPa	370 ksi	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.450 J/cm ²	2.14 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.580 J/cm ²	2.76 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	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00×10^{14} ohm	1.00×10^{14} ohm	
Comparative Tracking Index	600 V	600 V	

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