

Radici Radilon® A RCF3505 (cond.) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

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-RCF3505-cond-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	(Dry)
Water Absorption	5.3 %	5.3 %	initially dry
Moisture Absorption at Equilibrium	1.2 %	1.2 %	initially dry

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	
Elongation at Break	1.9 %	1.9 %	
Tensile Modulus	18.9 GPa	2740 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	7.50 J/cm ²	35.7 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.640 J/cm ²	3.05 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	(Dry)

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 ohm-cm	10 ohm-cm	
Surface Resistance	10 ohm	10 ohm	
Comparative Tracking Index	150 V	150 V	

Electrical Properties

Metric

English

Comments

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