

Radici Radilon® A RV300R (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-RV300R-cond-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	(Dry)
Water Absorption	7.0 %	7.0 %	initially dry
Moisture Absorption at Equilibrium	1.7 %	1.7 %	initially dry
Viscosity Measurement	145	145	cm ³ /g Viscosity Number

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	
Elongation at Break	3.7 %	3.7 %	
Tensile Modulus	7.75 GPa	1120 ksi	
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	11.0 J/cm ²	52.3 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.10 J/cm ²	5.23 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.70 J/cm ²	8.09 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	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	350 V	500 V	

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