

Radici Radilon® A CF350 (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-CF350-cond-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	(Dry)
Water Absorption	5.6 %	5.6 %	initially dry
Moisture Absorption at Equilibrium	1.3 %	1.3 %	initially dry
Viscosity Measurement	270	270	cm ³ /g Viscosity Number

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	
Elongation at Break	1.6 %	1.6 %	
Tensile Modulus	17.6 GPa	2550 ksi	
Charpy Impact Unnotched	4.20 J/cm ²	20.0 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	6.90 J/cm ²	32.8 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.510 J/cm ²	2.43 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.850 J/cm ²	4.04 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	1.00e+12 ohm	1.00e+12 ohm	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	100 V	100 V	

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