

## Radici Radilon® A 42 (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-42-cond-Nylon-66.php](http://www.lookpolymers.com/polymer_Radici-Radilon-A-42-cond-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	(Dry)
Water Absorption	8.4 %	8.4 %	initially dry
Moisture Absorption at Equilibrium	2.1 %	2.1 %	initially dry
Viscosity Measurement	240	240	cm <sup>3</sup> /g Viscosity Number

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	28 %	28 %	
Tensile Modulus	1.60 GPa	232 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	0.750 J/cm <sup>2</sup>	3.57 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.750 J/cm <sup>2</sup>	3.57 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °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	$1.00 \times 10^{14}$ ohm	$1.00 \times 10^{14}$ ohm	
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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