

## Radici Radilon® S RV300R (cond.) Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Radilon® S is a range of polyamide 6 (PA6) products obtained through the polymerization of caprolactam 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-S-RV300R-cond-Nylon-6.php](http://www.lookpolymers.com/polymer_Radici-Radilon-S-RV300R-cond-Nylon-6.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	(Dry)
Water Absorption	6.7 %	6.7 %	initially dry
Moisture Absorption at Equilibrium	2.0 %	2.0 %	initially dry
Viscosity Measurement	140	140	cm <sup>3</sup> /g Viscosity Number

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	
Elongation at Break	4.3 %	4.3 %	
Tensile Modulus	7.20 GPa	1040 ksi	
Charpy Impact Unnotched	8.50 J/cm <sup>2</sup>	40.4 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	9.50 J/cm <sup>2</sup>	45.2 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °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	
Comparative Tracking Index	550 V	550 V	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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