

Radici Radilon® S 32HS (dry) Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

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-32HS-dry-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	
Water Absorption	10.9 %	10.9 %	
Moisture Absorption at Equilibrium	2.9 %	2.9 %	
Viscosity Measurement	185	185	cm ³ /g Viscosity Number

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	4.1 %	4.1 %	
Tensile Modulus	3.20 GPa	464 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	0.450 J/cm ²	2.14 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.770 J/cm ²	3.66 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	
Deflection Temperature at 0.46 MPa (66 psi)	170 °C	338 °F	
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	55.0 °C Metric	131 °F English	Comments
Vicat Softening Point	195 °C @Load 5.10 kg	383 °F @Load 11.2 lb	50°C/h
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+11 ohm-cm	>= 1.00e+11 ohm-cm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China