

Radici Radilon® AHS (dry) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

General purpose Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-AHS-dry-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	ISO 527-1/2
Elongation at Break	25 %	25 %	ISO 527-1/2
Elongation at Yield	6.5 %	6.5 %	ISO 524-1/2
Tensile Modulus	3.55 GPa	515 ksi	ISO 527-1/2
Flexural Strength	105 MPa	15200 psi	ISO 178
Flexural Modulus	2.95 GPa	428 ksi	ISO 178
Charpy Impact, Notched	0.490 J/cm²	2.33 ft-lb/in²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 1135 7-1-3
Deflection Temperature at 0.46 MPa (66 psi)	195 °C	383 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ISO 75/2Af
Vicat Softening Point	240 °C	464 °F	ISO 306
Flammability, UL94	V-2 @Thickness 0.800 mm	V-2 @Thickness 0.0315 in	

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