

Radici Radilon® AERV1906 LK (dry) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Glass Reinforced, Impact Grade

Material Notes:

Glass-fiber reinforced with high impact strength, heat stabilized Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-AERV1906-LK-dry-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ISO 527-1/2
Elongation at Break	6.2 %	6.2 %	ISO 527-1/2
Elongation at Yield	3.2 %	3.2 %	ISO 524-1/2
Tensile Modulus	5.05 GPa	732 ksi	ISO 527-1/2
Flexural Strength	150 MPa	21800 psi	ISO 178
Flexural Modulus	3.95 GPa	573 ksi	ISO 178
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.15 J/cm ²	5.47 ft-lb/in ²	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)	230 °C	446 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	175 °C	347 °F	ISO 75/2Af
Vicat Softening Point	235 °C	455 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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