

Radici Radilon® ARV300 RKC (dry) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Glass-fiber reinforced with heat and hydrolysis resistance Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-ARV300-RKC-dry-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	185 MPa	26800 psi	ISO 527-1/2
Elongation at Break	3.6 %	3.6 %	ISO 527-1/2
Tensile Modulus	10.55 GPa	1530 ksi	ISO 527-1/2
Flexural Strength	270 MPa	39200 psi	ISO 178
Flexural Modulus	8.45 GPa	1230 ksi	ISO 178
Charpy Impact Unnotched	9.50 J/cm ²	45.2 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.40 J/cm ²	6.66 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)	255 °C	491 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	ISO 75/2Af
Vicat Softening Point	255 °C	491 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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