

Radici Radilon® ARV300 (dry) Nylon 66

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

Material Notes:

30% Glass-fiber reinforced Information provided by Radici group.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	180 MPa	26100 psi	ISO 527-1/2
Elongation at Break	3.7 %	3.7 %	ISO 527-1/2
Tensile Modulus	9.75 GPa	1410 ksi	ISO 527-1/2
Flexural Strength	260 MPa	37700 psi	ISO 178
Flexural Modulus	8.10 GPa	1170 ksi	ISO 178
Charpy Impact Unnotched	8.00 J/cm ²	38.1 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)	250 °C	482 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ISO 75/2Af
Vicat Softening Point	245 °C	473 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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