

Radici Radiflam® AFR (dry) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:PA66 Self-extinguishing without halogens or phosphorous
Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radiflam-AFR-dry-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	ISO 527-1/2
Elongation at Break	3.5 %	3.5 %	ISO 527-1/2
Tensile Modulus	3.50 GPa	508 ksi	ISO 527-1/2
Flexural Strength	110 MPa	16000 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Charpy Impact, Notched	0.300 J/cm ²	1.43 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)	200 °C	392 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ISO 75/2Af
Vicat Softening Point	220 °C	428 °F	ISO 306
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	

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