

Radici Radilon® AHSX88 (dry) Nylon 66

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

Material Notes:

Elastomer modified free conditioning Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-AHSX88-dry-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ISO 527-1/2
Elongation at Break	35 %	35 %	ISO 527-1/2
Elongation at Yield	4.5 %	4.5 %	ISO 524-1/2
Tensile Modulus	2.75 GPa	399 ksi	ISO 527-1/2
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Flexural Modulus	2.25 GPa	326 ksi	ISO 178
Charpy Impact, Notched	1.60 J/cm ²	7.61 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)	190 °C	374 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75/2Af
Vicat Softening Point	225 °C	437 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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