

Radici Radilon® SHSX (dry) Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 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-SHSX-dry-Nylon-6.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	>= 50 %	>= 50 %	ISO 527-1/2
Elongation at Yield	4.0 %	4.0 %	ISO 524-1/2
Tensile Modulus	2.60 GPa	377 ksi	ISO 527-1/2
Flexural Strength	85.0 MPa	12300 psi	ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ISO 178
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 1135 7-1-3
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75/2Af
Vicat Softening Point	185 °C	365 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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