

Radici Radilon® SLVHPL128 (dry) Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Plasticized for improved flexibility Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-SLVHPL128-dry-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527-1/2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-1/2
Elongation at Yield	35 %	35 %	ISO 524-1/2
Tensile Modulus	1.00 GPa	145 ksi	ISO 527-1/2
Flexural Strength	30.0 MPa	4350 psi	ISO 178
Flexural Modulus	0.700 GPa	102 ksi	ISO 178
Charpy Impact, Notched	1.90 J/cm ²	9.04 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	217 °C	423 °F	ISO 1135 7-1-3
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75/2Af
Vicat Softening Point	165 °C	329 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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