

Radici Radilon® S40E (dry) Nylon 6

Category : Polymer , Thermoplastic , Nylon 6 , Nylon 6 , Extruded

Material Notes:

High viscosity for extrusion Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-S40E-dry-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ISO 527-1/2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-1/2
Elongation at Yield	4.1 %	4.1 %	ISO 524-1/2
Tensile Modulus	3.00 GPa	435 ksi	ISO 527-1/2
Flexural Strength	95.0 MPa	13800 psi	ISO 178
Flexural Modulus	2.35 GPa	341 ksi	ISO 178
Charpy Impact, Notched	0.740 J/cm ²	3.52 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)	165 °C	329 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75/2Af
Vicat Softening Point	200 °C	392 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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