

Radici Radilon® CST (dry) Copolyamide 6 semiaromatic

Category : Polymer , Thermoplastic , Nylon , Nylon , Aromatic

Material Notes:

Transparent grade Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-CST-dry-Copolyamide-6-semiaromatic.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 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	4.15 %	4.15 %	ISO 524-1/2
Tensile Modulus	2.55 GPa	370 ksi	ISO 527-1/2
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Flexural Modulus	2.35 GPa	341 ksi	ISO 178
Charpy Impact, Notched	0.450 J/cm ²	2.14 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	210 °C	410 °F	ISO 1135 7-1-3
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75/2Af
Vicat Softening Point	160 °C	320 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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