

**Radici Radilon® CS38FL (dry) Copolyamide 6 semiaromatic**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Film Grade

**Material Notes:**

Film grade information provided by Radici group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Radici-Radilon-CS38FL-dry-Copolyamide-6-semiaromatic.php](http://www.lookpolymers.com/polymer_Radici-Radilon-CS38FL-dry-Copolyamide-6-semiaromatic.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	80.0 MPa	11600 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	2.80 GPa	406 ksi	ISO 527-1/2
Flexural Strength	95.0 MPa	13800 psi	ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ISO 178
Charpy Impact, Notched	0.550 J/cm <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	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)	70.0 °C	158 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75/2Af
Vicat Softening Point	70.0 °C	158 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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