

Radici Radilon® S HSX (cond.) Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Radilon® S is a range of polyamide 6 (PA6) products obtained through the polymerization of caprolactam and used for injection, extrusion and blow-molding. Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Radilon-S-HSX-cond-Nylon-6.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------------------|----------------------------|----------|
| Tensile Strength, Yield | 40.0 MPa | 5800 psi | |
| Elongation at Break | >= 50 % | >= 50 % | Nominal |
| Elongation at Yield | 20 % | 20 % | |
| Tensile Modulus | 1.05 GPa | 152 ksi | |
| Charpy Impact Unnotched | NB | NB | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | NB | NB | |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |
| Charpy Impact, Notched | 0.750 J/cm ² | 3.57 ft-lb/in ² | |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |
| Charpy Impact, Notched | 6.50 J/cm ² | 30.9 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|----------|
| Volume Resistivity | 1.00e+11 ohm-cm | 1.00e+11 ohm-cm | |
| Surface Resistance | 1.00e+14 ohm | 1.00e+14 ohm | |
| Comparative Tracking Index | 600 V | 600 V | |

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