

Radici Radilon® A CP400 (dry) Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Radilon® A is a range of polyamide 66 (PA66) products obtained through the polymerization of hexamethylenediamine and adipic acid, 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-A-CP400-dry-Nylon-66.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|-----------|-----------|----------|
| Specific Gravity | 1.48 g/cc | 1.48 g/cc | |
| Water Absorption | 5.7 % | 5.7 % | |
| Moisture Absorption at Equilibrium | 1.8 % | 1.8 % | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------------------|----------------------------|----------|
| Tensile Strength at Break | 85.0 MPa | 12300 psi | |
| Elongation at Break | 7.2 % | 7.2 % | |
| Tensile Modulus | 5.85 GPa | 848 ksi | |
| Charpy Impact Unnotched | 5.50 J/cm ² | 26.2 ft-lb/in ² | |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |
| Charpy Impact, Notched | 7.00 J/cm ² | 33.3 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.300 J/cm ² | 1.43 ft-lb/in ² | |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |
| Charpy Impact, Notched | 0.340 J/cm ² | 1.62 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|---|---------------|---------------|----------|
| Melting Point | 260 °C | 500 °F | |
| Deflection Temperature at 0.46 MPa (66 psi) | 210 °C | 410 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 110 °C | 230 °F | |
| Vicat Softening Point | 220 °C | 428 °F | 50°C/h |
| | @Load 5.10 kg | @Load 11.2 lb | |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------------------|----------------------|----------|
| Flammability, UL94 | @Thickness 1.60 mm | @Thickness 0.0630 in | |
| | HB | HB | |
| | @Thickness 0.800 mm | @Thickness 0.0315 in | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------------------------|-----------------------------------|----------|
| Volume Resistivity | $\geq 1.00 \times 10^{11}$ ohm-cm | $\geq 1.00 \times 10^{11}$ ohm-cm | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China