

DuPont Performance Polymers Delrin® FG400XRD NC010 Acetal (Unverified Data**)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Delrin® FG400XRD NC010 is a filled, medium viscosity acetal copolymer for injection molding. It is detected in x-ray detectors. It has been developed for consideration into applications such as parts for the food industry. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-FG400XRD-NC010-Acetal-nbspUnverified-Data.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------------------|----------------------------|-------------|
| Tensile Strength, Yield | 51.0 MPa | 7400 psi | ISO 527 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Elongation at Yield | 7.0 % | 7.0 % | ISO 527 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Tensile Modulus | 3.20 GPa | 464 ksi | ISO 527 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact Unnotched | 8.00 J/cm ² | 38.1 ft-lb/in ² | ISO 179/1eU |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.400 J/cm ² | 1.90 ft-lb/in ² | ISO 179/1eA |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|--------------------------|
| Melting Point | 168 °C | 334 °F | 10°C/min; ISO 11357-1/-3 |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------------|------------------|----------------------------|
| Melt Temperature | 205 °C | 401 °F | Optimum; Injection Molding |
| | 200 - 210 °C | 392 - 410 °F | |
| Mold Temperature | 90.0 °C | 194 °F | optimum; Injection Molding |
| | 80.0 - 100 °C | 176 - 212 °F | |
| Drying Temperature | 80.0 °C | 176 °F | Injection Molding |
| Dry Time | 2.00 - 4.00 hour | 2.00 - 4.00 hour | Injection Molding |
| Moisture Content | <= 0.20 % | <= 0.20 % | Injection Molding |

| Descriptive Properties | Value | Comments |
|---------------------------|---------------------------------|----------|
| Appearance | Natural Color | |
| Forms | Pellets | |
| Generic | Acetal (POM) Copolymer | |
| Material Status | Preliminary Data | |
| Processing Method | Injection Molding | |
| Product Category | Food Contact Resins | |
| Region Available - Global | Yes | |
| RoHS Compliance | Contact Manufacturer | |
| Uses | Food Applications, Non-specific | |

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