

# Delrin® FG400XRD NC010

## ACETAL RESIN

### DuPont Performance Polymers

#### Message:

X-ray Detectable Medium Viscosity Acetal Copolymer Developed for Food Contact Applications

| General Information                               |                   |                   |             |
|---------------------------------------------------|-------------------|-------------------|-------------|
| Filler / Reinforcement                            | Metal             |                   |             |
| Forms                                             | Pellets           |                   |             |
| Processing Method                                 | Injection Molding |                   |             |
| Part Marking Code (ISO 11469)                     | >POM-XD<          |                   |             |
| Resin ID (ISO 1043)                               | POM-XD            |                   |             |
| Physical                                          | Nominal Value     | Unit              | Test Method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)         | 13                | g/10 min          | ISO 1133    |
| Mechanical                                        | Nominal Value     | Unit              | Test Method |
| Tensile Modulus                                   | 3200              | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                            | 50.0              | MPa               | ISO 527-2   |
| Tensile Strain (Yield)                            | 8.0               | %                 | ISO 527-2   |
| Nominal Tensile Strain at Break                   | 24                | %                 | ISO 527-2   |
| Impact                                            | Nominal Value     | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)             | 4.0               | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C)           | 80                | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                           | Nominal Value     | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 96.0              | °C                | ISO 75-2/A  |
| Melting Temperature <sup>1</sup>                  | 168               | °C                | ISO 11357-3 |
| CLTE                                              |                   |                   | ISO 11359-2 |
| Flow                                              | 1.2E-4            | cm/cm/°C          |             |
| Transverse                                        | 1.2E-4            | cm/cm/°C          |             |
| Fill Analysis                                     | Nominal Value     | Unit              |             |
| Melt Density                                      | 1.43              | g/cm <sup>3</sup> |             |
| NOTE                                              |                   |                   |             |
| 1.                                                | 10°C/min          |                   |             |

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