



Delrin®

acetal resin

Delrin® 100AL NC010

Delrin® 100AL NC010 is the development code of a new grade of acetal homopolymer resin, containing an advanced system of lubrication.

| Property | Test Method | Units | Value |
|-----------------------------|--------------|-------------------|---------|
| Mechanical | | | |
| Yield Stress | ISO 527-1/-2 | MPa | 70 |
| Stress at Break | ISO 527-1/-2 | MPa | 64 |
| Yield Strain | ISO 527-1/-2 | % | 18 |
| Strain at Break | ISO 527-1/-2 | % | 55 |
| Tensile Modulus | ISO 527-1/-2 | MPa | 2700 |
| Notched Charpy Impact | ISO 179/1eA | kJ/m ² | 9 |
| Thermal | | | |
| Melting Temperature | ISO 3146C | °C | 177 |
| Flow | | | |
| Melt Flow Rate | ISO 1133 | g/10min | 2.2 |
| Other | | | |
| Density | ISO 1183 | kg/m ³ | 1400 |
| Processing | | | |
| Melt Temperature Range | ISO 294 | °C | 210-220 |
| Drying Time | | h | 2 |
| Drying Temperature | | °C | 80 |
| Processing Moisture Content | | % | 0.2 |
| Hold Pressure Range | | MPa | 75-100 |

Contact DuPont for MSDS, general guides and/or additional information about ventilation, handling, purging, drying, etc.

Mechanical properties measured at 23°C (73°F) unless otherwise stated.

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