



Delrin®

acetal resin

PRELIMINARY DATA

Delrin® 100AF 20% Teflon® PTFE Fiber Loading

Delrin® 100AF is a high viscosity resin (100 flow grade), containing 20% Teflon® PTFE fibers. It is designed for applications requiring low wear and/or low friction against steel, itself, and other surfaces.

| Property | Test Method | Units | Value |
|--|-------------|----------------|-------------------|
| Mechanical | | | |
| Tensile Strength 5mm/min (0.2in/min) | ASTM D 638 | MPa (kpsi) | 52.4 (7.6) |
| Elongation at Break 5mm/min (0.2in/min) | ASTM D 638 | % | 19 |
| Tensile Modulus | ASTM D 638 | MPa (kpsi) | 2720 (394) |
| Flexural Modulus | ASTM D 790 | MPa (kpsi) | 2530 (367) |
| Notched Izod Impact | ASTM D 256 | J/m (ft lb/in) | 45 (0.85) |
| Thermal | | | |
| Melt Flow Rate 1.05kg at 190C | ASTM D 1238 | g/10 min | 0.5 |
| Other | | | |
| Specific Gravity | ASTM D 792 | | 1.53 |
| Processing | | | |
| Melt Temperature Range | | °C (°F) | 205-225 (400-440) |
| Mold Temperature Range | | °C (°F) | 80-105 (180-220) |
| Processing Moisture Content | | % | <0.1 |

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

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

The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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