

Revision 20180905

ULTEMTM RESIN AR9100

REGION ASIA

DESCRIPTION

10% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Meets FAR 25.853 and OSU 65/65 with low toxicity, smoke, and flame evolution. ECO Conforming.

TYPICAL PROPERTY VALUES

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| NBS Smoke Density, Flaming, Ds 4 min5ASTM E 662INECTION MOLDINGInternational of the second seco | NBS Smoke Density, Flaming, Dmax | 5 | - | ASTM E 662 |
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| Drying Time (Cumulative)24hrsMaximum Moisture Content0.02%Melt Temperature365 - 390°CNozzle Temperature360 - 380°CFront - Zone 3 Temperature365 - 390°CMiddle - Zone 2 Temperature355 - 375°C | Drying Temperature | 150 | °C | |
| Maximum Moisture Content 0.02 % Melt Temperature 365 - 390 °C Nozzle Temperature 360 - 380 °C Front - Zone 3 Temperature 365 - 390 °C Middle - Zone 2 Temperature 355 - 375 °C | Drying Time | 4 - 6 | hrs | |
| Melt Temperature 365 - 390 °C Nozzle Temperature 360 - 380 °C Front - Zone 3 Temperature 365 - 390 °C Middle - Zone 2 Temperature 355 - 375 °C | Drying Time (Cumulative) | 24 | hrs | |
| Nozzle Temperature 360 – 380 °C Front - Zone 3 Temperature 365 – 390 °C Middle - Zone 2 Temperature 355 – 375 °C | Maximum Moisture Content | 0.02 | % | |
| Front - Zone 3 Temperature 365 – 390 °C Middle - Zone 2 Temperature 355 – 375 °C | Melt Temperature | 365 – 390 | °C | |
| Middle - Zone 2 Temperature 355 – 375 °C | Nozzle Temperature | 360 – 380 | °C | |
| | Front - Zone 3 Temperature | 365 – 390 | °C | |
| | Middle - Zone 2 Temperature | 355 – 375 | °C | |
| Rear-Zone 1 Temperature 345 – 365 °C | Rear - Zone 1 Temperature | 345 – 365 | °C | |

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CHEMISTRY THAT MATTERS



| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|-----------------------|----------------|-------|--------------|
| Mold Temperature | 135 – 165 | °C | |
| Back Pressure | 0.3 – 0.7 | MPa | |
| Screw Speed | 40 – 70 | rpm | |
| Shot to Cylinder Size | 40 - 60 | % | |
| Vent Depth | 0.025 – 0.076 | mm | |

DISCLAIMER

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