

DuPont™ Zytel® HTN

high performance polyamide resin

PRELIMINARY DATA

Zytel® HTNFR52G20NH NC010

Zytel® HTNFR52G20NH NC010 is a 20% glass reinforced, flame retardant, lubricated high performance polyamide resin. It is also a PPA resin and it uses a non-halogenated flame retardant.

| Property | Test Method | Units | Value |
|--------------------------------------|-------------|--|------------------|
| | | | DAM |
| Identification | | | |
| Part Marking Code | ISO 11469 | | >PA6T/66-GF20FR< |
| Part Marking Code | SAE J1344 | | >PPA-GF20FR< |
| Mechanical | | | |
| Stress at Break | ISO 527 | MPa (kpsi) | 135 (20) |
| Strain at Break | ISO 527 | % | 2.5 |
| Flexural Modulus | ISO 178 | MPa (kpsi) | 7800 (1331) |
| Flexural Strength | ISO 178 | MPa (kpsi) | 190 (28) |
| Notched Charpy Impact Strength | ISO 179/1eA | kJ/m ² | 6 |
| Thermal | | | |
| Deflection Temperature 1.80MPa | ISO 75-1/-2 | °C (°F) | 276 (529) |
| Flammability | | | |
| Flammability Classification 0.4mm | UL94 | | V-0 |
| Other | | | |
| Density | ISO 1183 | kg/m ³ (g/cm ³) | 1380 (1.38) |

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.
 Test temperatures are 23°C unless otherwise stated.

For molding machine components, use corrosion resistant and wear resistant steel. For details please contact your DuPont representative. Limit the residence time of the resin in the machine. Use proper protective equipment and adequate ventilation.

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

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| Property | Test Method | Units | Value |
|---------------------------------|-------------|---------|-------------------|
| | | | DAM |
| Processing | | | |
| Melt Temperature Range | | °C (°F) | 320-325 (608-617) |
| Mold Temperature Range | | °C (°F) | 85-130 (185-265) |
| Drying Time, Dehumidified Dryer | | h | 6-8 |
| Drying Temperature | | °C (°F) | 100 (210) |
| Processing Moisture Content | | % | <0.10 |

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