

# DuPont™ Zytel® HTN

high performance polyamide resin

PRELIMINARY DATA

## Zytel® HTNFR52G20LX NC010

Zytel® HTNFR52G20LX NC010 is a 20% glass reinforced, flame retardant, lubricated high performance polyamide resin developed for connector applications requiring lead-free soldering conditions.

Property	Test Method	Units	Value
			DAM
<b>Mechanical</b>			
Stress at Break	ISO 527	MPa	160
Strain at Break	ISO 527	%	2.4
Tensile Modulus	ISO 527	MPa	8000
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m <sup>2</sup>	9
<b>Flammability</b>			
Flammability Classification 0.8mm	UL94		V-0
<b>Other</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1590
<b>Processing</b>			
Melt Temperature Range		°C	325-330
Mould Temperature Range		°C	60-130
Drying Time, Dehumidified Dryer		h	6-8
Drying Temperature		°C	100
Processing Moisture Content		%	<0.1

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 unless otherwise stated.

Test temperatures are 23°C unless otherwise stated.

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

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The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving permanent implantation in the human body.

For other medical applications see "DuPont Medical Caution Statement", H-50102.