

DuPont™ Zytel® HTN54G35EF BKB336

HIGH PERFORMANCE POLYAMIDE RESIN

Product Information

Zytel® HTN high performance polyamide resins feature high retention of properties upon exposure to elevated temperature, to high moisture, and to harsh chemical environments. Polymer families and grades of Zytel® HTN are tailored to optimize performance as well as processability.

Typical applications with Zytel® HTN include demanding applications in the automotive, electrical and electronics, domestic appliances, and construction industries.

Zytel® HTN54G35EF BKB336 is a 35% glass reinforced, toughened, laser markable high performance polyamide resin, developed for electrical and electronics applications. It is also a PPA resin.

General information	Value	Unit	Test Standard
Part Marking Code	>PA-IGF35<	-	ISO 11469
Part Marking Code	>PPA-IGF35<	-	SAE J1344
Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	11700 / -	MPa	ISO 527-1/-2
Stress at break	189 / -	MPa	ISO 527-1/-2
Strain at break	2.7 / -	%	ISO 527-1/-2
Charpy impact strength, 73°F	90 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 73°F	14 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond	Unit	Test Standard
Temp. of deflection under load, 260 psi	260 / *	°C	ISO 75-1/-2
Flammability	Value	Unit	Test Standard
FMVSS Class	B	-	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	<100	mm/min	ISO 3795 (FMVSS 302)
Other properties	dry / cond	Unit	Test Standard
Density	1380 / -	kg/m ³	ISO 1183
Injection	Value	Unit	Test Standard
Drying Recommended	yes	-	-
Drying Temperature	≥100	°C	-
Drying Time, Dehumidified Dryer	6 - 8	h	-
Processing Moisture Content	≤0.1	%	-
Melt Temperature Optimum	325	°C	-
Min. melt temperature	320	°C	-
Max. melt temperature	330	°C	-
Min. mold temperature	90	°C	-
Max. mold temperature	130	°C	-

Characteristics

Processing	<ul style="list-style-type: none"> • Injection Molding
Special characteristics	<ul style="list-style-type: none"> • Heat stabilized or stable to heat
Regional Availability	<ul style="list-style-type: none"> • North America • Europe • South and Central America • Near East/Africa

Processing Texts

Injection molding

During molding, use proper protective equipment and adequate ventilation. Avoid exposure to fumes and limit the hold up time and temperature of the resin in the machine. Purge degraded resin carefully with HDPE.

To find out more, visit [DuPont Performance Polymers](#) or contact nearest DuPont location.

North America

Asia Pacific

Europe/Middle East/Africa

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Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc. ISO Mechanical properties measured at 160 mil (Hytrel® measured at 80 mil), IEC Electrical properties measured at 80 mil, all ASTM properties measured at 120 mil, and test temperatures are 73°F unless otherwise stated.

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North America

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