

DuPont™ Zytel®

nylon resin

PRELIMINARY DATA

Zytel® 70G35EF NC010

Zytel® 70G35EF NC010 is a 35% glass reinforced polyamide 66 developed for electrical and electronics applications.

Property	Test Method	Units	Value
			DAM
Identification			
Resin Identification	ISO 1043		PA66-GF35
Part Marking Code	ISO 11469		>PA66-GF35<
Mechanical			
Stress at Break	ISO 527	MPa (kpsi)	200 (29)
Strain at Break	ISO 527	%	3.5
Tensile Modulus	ISO 527	MPa (kpsi)	11000 (1600)
Flexural Modulus	ISO 178	MPa (kpsi)	10000 (1450)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	-40°C (-40°F)
			23°C (73°F)
Thermal			
Deflection Temperature 1.80MPa	ISO 75-1/-2	°C (°F)	250 (482)
Melting Temperature 10°C/min	ISO 11357-1/-3	°C (°F)	260 (500)
Electrical			
Surface Resistivity	IEC 60093	ohm	4E+15
Volume Resistivity	IEC 60093	ohm m	2E+16

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc
 Test specimen for ISO 527 is 1BA (2mm) at 50mm/min; all other ISO & ASTM mechanical properties measured at 4mm; ISO electrical properties measured at 2mm
 All mechanical & electrical properties measured on injection molded specimen
 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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Product Information

Zytel® 70G35EF NC010

Property	Test Method	Units	Value
			DAM
Other			
Density	ISO 1183	kg/m ³ (g/cm ³)	1400 (1.4)
Molding Shrinkage	ISO 294-4	%	
Normal, 2.0mm			0.7
Parallel, 2.0mm			0.3
Processing			
Melt Temperature Range		°C (°F)	285-305 (545-580)
Melt Temperature Optimum		°C (°F)	295 (565)
Mold Temperature Range		°C (°F)	70-120 (160-250)
Mold Temperature Optimum		°C (°F)	100 (210)
Drying Time, Dehumidified Dryer		h	2-4
Drying Temperature		°C (°F)	80 (175)
Processing Moisture Content		%	<0.20

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