

DuPont™ Zytel®

nylon resin

Zytel® FN718 NC010

Zytel® FN718 NC010 is a flexible, plasticizer free modified polyamide 66 resin having good heat aging and chemical resistance.

Property	Test Method	Units	Value	
			DAM	50%RH
Identification				
Resin Identification	ISO 1043		PA66-F	
Part Marking Code	ISO 11469		>PA66-F<	
Mechanical				
Yield Stress	ISO 527	MPa (kpsi)	30 (4.4)	
Tensile Stress	ISO 527	MPa (kpsi)		
@ 50% Strain			29 (4.2)	21 (3)
Nominal Strain at Break	ISO 527	%	>50	
Yield Strain	ISO 527	%	50	
Tensile Modulus	ISO 527	MPa (kpsi)	960 (139)	420 (61)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	123	
Thermal				
Deflection Temperature	ISO 75f	°C (°F)		
1.80MPa			50 (122)	
Melting Temperature	ISO 11357-1/-3	°C (°F)		
10°C/min			263 (505)	
Vicat Softening Temperature	ISO 306	°C (°F)		
50N			220 (428)	
Other				
Density	ISO 1183	kg/m ³ (g/cm ³)	1040 (1.04)	

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.

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			DAM	50%RH
Processing				
Melt Temperature Range		°C (°F)	275-295 (530-560)	
Melt Temperature Optimum		°C (°F)	285 (545)	
Mold Temperature Range		°C (°F)	40-80 (105-175)	
Mold Temperature Optimum		°C (°F)	60 (140)	
Drying Time, Dehumidified Dryer		h	2-4	
Drying Temperature		°C (°F)	80 (175)	
Processing Moisture Content		%	<0.20	

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