

# Nylene® NX4728 HS

Polyamide 6  
Custom Resins Group

Message:

High flow, heat stabilized nylon 6 homopolymer  
Recommended for general purpose nylon molding applications in both thin and heavy sections  
NX4728 has special additives to enhance clarity and brilliance of color and is available in translucent white and a variety of colors  
Optimum processing conditions should provide a melt temperature of 450°F - 470°F at the nozzle

General Information			
Additive	Heat Stabilizer		
Features	General Purpose		
	Heat Stabilized		
	High Flow		
Uses	General Purpose		
Appearance	Colors Available		
	White		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.1	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	79.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2690	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	182	°C	
1.8 MPa, Unannealed	67.8	°C	

Flammability	Nominal Value	Test Method
Flame Rating	V-2	UL 94

Injection	Nominal Value	Unit
Processing (Melt) Temp	232 to 243	°C

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