

# Nylene® 474

Polyamide 6

Custom Resins Group

## Message:

Nylene 474 is a nylon 6 specifically designed for use in rotational molding processes. Nylene 474 is typically used for rotationally molded parts that require high heat resistance, low permeability of hydrocarbons, or low creep under load. 474 is available in both pellet and powder form to maximize surface appearance and minimize porosity. Physical properties listed for Nylene 474 are for standard injection molded specimens.

General Information			
Features	Good Creep Resistance		
	Good Surface Finish		
	High Heat Resistance		
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.2 to 2.4	%	ASTM D955
Viscosity	70.0		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	2760	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	177	°C	
1.8 MPa, Unannealed	73.9	°C	
Peak Melting Temperature	216	°C	ASTM D3418

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