

Nylene® 494

Polyamide 6

Custom Resins Group

Message:

This data sheet applies to products: Nylene 494, Nylene 494P and Nylene 494 BLK

For rotational molding, and is offered in small pellet form as well as a 20 mesh powder.

All Nylene rotomolding grade nylons are dried to less than 0.15% moisture eliminating the need for pre-drying of virgin material.

PRC strongly recommends the use of inert gases such as nitrogen in the mold to minimize thermal degradation of the nylon.

General Information			
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 2.0	%	ASTM D955
Water Absorption (Saturation)	1.3	%	ASTM D570
Relative Viscosity	70.0		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	79.3	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	100	%	ASTM D638
Flexural Modulus (23°C)	2550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	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	

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Recommended distributors for this material

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