

NATIONAL AEROSPACE SUPPLY CO.

33155 CAMINO CAPISTRANO • UNIT C • SAN JUAN CAPISTRANO, CA 92675
PHONE: (949) 240-6353 • FAX: (949) 248-5655

NA1250

LOW COST AND LOW TEMPERATURE BAGGING FILM

DESCRIPTION

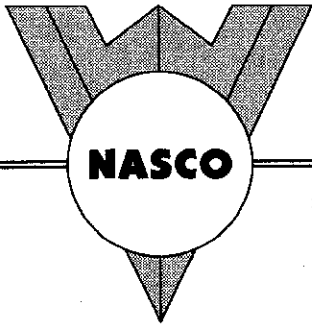
NA1250 is a unique transparent packaging film for use in the food, medical, and industrial markets. This film has excellent heat and puncture resistance as well as great tear resistance.

NA1250 is currently available in 1.0, 2.0, and 3.0-mil thickness. Other thicknesses are available upon request.

PHYSICAL PROPERTIES

Maximum use Temperature	250 DEG. F
Thickness, inches	.002 & .003
Modus	50000-60000
Tensile Yield Strength (psi)	2000-3000
Tensile Yield Elongation (%)	20-40
Tensile Break Strength (psi)	5000-8000
Tensile Break Elongation (%)	600-900
Tear, Graves (gms/mil)	300-400
Tear, Propagation (gms-force)	300-400

Note: Information herein is believed to be correct based upon laboratory tests. No warranty of any kind is made except that materials supplied are standard quality. All risk and liability arising from handling, storage, and use of these products, as well as compliance with applicable legal restrictions, rests with the buyer. Buyer's remedy is limited to return and replacement of goods found to be defective due to manufacturer.



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NA1350 HIGH TEMPERATURE, SOFT FORMULATION NYLON VACUUM BAGGING FILM

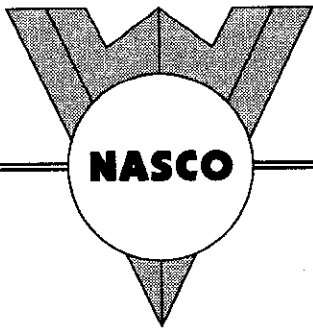
DESCRIPTION

NA1350 is a transparent color-tinted, heat-stabilized film produced from nylon resin. This film's unique formulation it to remain supple in extreme dry, cold environments. NA1350 is designed to be used as a high temperature vacuum bagging film for cure cycles up to 400 degrees F. It is available as a lay-flat sheet from 21" to 72" or center folded sheet from 21" to 70" (folds out to 42" to 140") and as a lay-flat tube from 6" to 72". NA1350 is available clear or as a transparent pink tinted color film. It is available in thicknesses of 2 mils and 3 mils.

PHYSICAL PROPERTIES

Thickness, inches	.002 and .003
Color	transparent pink or clear
Maximum use temperature	400 DEG F
Minimum use temperature	-80 DEG F
Tensile strength, psi	12,000
Elongation, %	300 min
Tear strength, gm/mil	50
Heat deflection, 66 psi	365 DEG F
Melt point, Fischer Johns	420 DEG F
Flammability	self-extinguishing

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NA1400

HIGH TEMPERATURE NYLON & VACUUM BAGGING FILM

DESCRIPTION

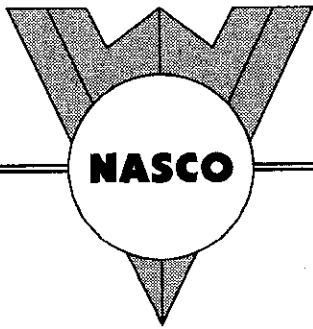
NA1400 is a clear transparent, heat-stabilized film produced from nylon 6 resin. NA1400 is designed to be used as a high temperature vacuum bagging film for cure cycles up to 400 degrees F. It is available as a lay-flat sheet from 21" to 72" or center folded sheet from 21" to 70" and as a lay-flat tube from 6" to 72".

NA1400 is available in clear transparent film. It is available in thicknesses of .002 and .003 in.

PHYSICAL PROPERTIES

Thickness, inches	.002 and .003
Color	clear transparent
Maximum use temperature	400 DEG F
Minimum use temperature	-80 DEG F
Tensile strength, psi	12,000
Elongation, %	300 min
Tear strength, gm/mil	50
Heat deflection, 66 psi	365 DEG F
Melt point, Fischer Johns	428 DEG F
Flammability	self-extinguishing

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NA1400-1

HIGH TEMPERATURE NYLON & VACUUM BAGGING FILM

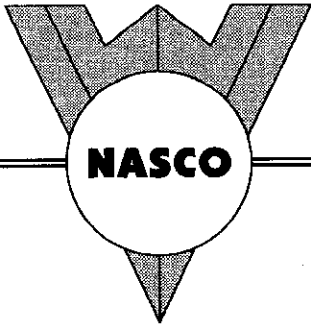
DESCRIPTION

NA1400 is a Gold Tinted, heat-stabilized film produced from nylon 6 resin. NA1400 is designed to be used as a high temperature vacuum bagging film for cure cycles up to 400 degrees F. It is available as a lay-flat sheet from 21" to 72" or center folded sheet from 21" to 70" and as a lay-flat tube from 6" to 72". NA1400 is available in Gold Tint. It is available in thicknesses of .002 and .003 in.

PHYSICAL PROPERTIES

Thickness, inches	.002 and .003
Color	Gold Tinted
Maximum use temperature	400 DEG F
Minimum use temperature	-80 DEG F
Tensile strength, psi	12,000
Elongation, %	300 min
Tear strength, gm/mil	50
Heat deflection, 66 psi	365 DEG F
Melt point, Fischer Johns	428 DEG F
Flammability	self-extinguishing

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NA1400-2

HIGH TEMPERATURE NYLON & VACUUM BAGGING FILM

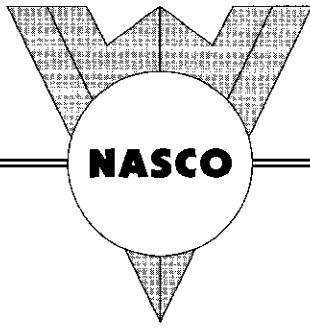
DESCRIPTION

NA1400 is a Green Tinted, heat-stabilized film produced from nylon 6 resin. NA1400 is designed to be used as a high temperature vacuum bagging film for cure cycles up to 400 degrees F. It is available as a lay-flat sheet from 21" to 72" or center folded sheet from 21" to 70" and as a lay-flat tube from 6" to 72". NA1400 is available in Green Tint. It is available in thicknesses of .002 and .003 in.

PHYSICAL PROPERTIES

Thickness, inches	.002 and .003
Color	Green Tinted
Maximum use temperature	400 DEG F
Minimum use temperature	-80 DEG F
Tensile strength, psi	12,000
Elongation, %	300 min
Tear strength, gm/mil	50
Heat deflection, 66 psi	365 DEG F
Melt point, Fischer Johns	428 DEG F
Flammability	self-extinguishing

Note: Information herein is believed to be correct based upon laboratory tests. No warranty of any kind is made except that materials supplies are standard quality. All risk and liability arising from handling, storage, and use of these products, as well as compliance with applicable legal restrictions, rests with the buyer. Buyer's remedy is limited to return and replacement of goods found to be defective due to manufacturer.



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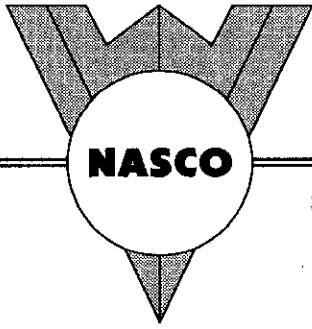
NA1400-3 Nylon

Product Description

This material was developed for oven cooking bags and has also been used in solvent recovery system. All other applications must be tested. It is available as a lay-flat sheet from 21" to 68" or center folded sheet from 21" to 70" and as a lay-flat tube from 6" to 72". **NA1400-3** is available in thicknesses of .002 and .003 in.

Properties	Values	Test Methods
General:		
Thickness (mil)	1.0 mil	
Area Yield (sq. in./lb)	24516	
Melt Point	240° C	Fisher Jones
Mechanical:		
Tensile Strength (psi)	15,400 - 19,000	ASTM D882
Elongation, %	315 - 400	ASTM D882
Tear, Graves (gms/mil)	470 - 540	ASTM D1004

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NA1450 HIGH TEMPERATURE NYLON 66 VACUUM BAGGING FILM

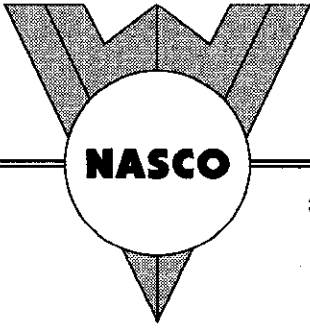
DESCRIPTION

NA1450 is a transparent blue color-tinted, heat-stabilized film produced from nylon 66 resin. NA1450 is the highest use temperature nylon film available. It is designed to be used as a high temperature vacuum bagging film for cure cycles up to 450 degrees F. It is available as a lay-flat sheet from 21" to 72" or center folded sheet from 21" to 70" and as a lay-flat tube from 6" to 72". NA1450 is available in transparent blue color-tinted. It is available in thicknesses of 2 mils and 3 mils.

PHYSICAL PROPERTIES

Thickness, inches	.002 and .003
Color	transparent blue color-tinted
Maximum use temperature	450 DEG F
Minimum use temperature	-80 DEG F
Tensile strength, psi	10,000
Elongation, %	300 min
Tear strength, gm/mil	70
Heat deflection, 66 psi	460 DEG F
Melt point, Fischer Johns	482 DEG F
Flammability	self-extinguishing

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NA-A750 AF 750 DEGREE F MATERIAL BAGGING FILM

DESCRIPTION

NA-A750 AF is a new thermo set polyimide film that is a direct equivalent to Kapton. The features of NA-A750 AF are:

- A wide range of operating temperature (-200 to 750 degrees F)
- Improved long term heat aging performance
- Superior web flatness
- Excellent dimensional stability
- Improved gauge control for superior lot to lot consistency.
- Standard roll size 40"
- Available thicknesses: .0005, .001, .002, .003 and .005
- Maximum temperature use 750 degrees F
- Color amber

PHYSICAL PROPERTIES

Ultimate tensile strength (psi)	35,000
Ultimate Elongation (MD)	95%
Tear strength-propagation (GMS)	7
Tear strength-initial (graves)	520
Shrinkage by heat 60 min.	
200C	0.07%
300C	0.15%
400C	1.00%
Flammability	94 V-O

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