

# RUBEROID®

## T/NA 100' VAPOR BARRIER

### Product Data Sheet

#### SUMMARY OF PROPERTIES

- BASIC DESCRIPTION:** T/NA 100 Vapor Barrier is a laminate of T/NA 100 and .001" Soda film. Soda film is a polyethylene chloride-vinyl chloride copolymer film known for its resistance to gas permeability and its resistance to acids, alkalis, and weathering. T/NA 100 Vapor Barrier provides a cost-effective barrier to gas and moisture vapor. T/NA 100 plus has all of the desirable properties of T/NA 100 plus low moisture vapor permeability. The application techniques used for T/NA 100 are also used for T/NA 100 Vapor Barrier.
- MOISTURE VAPOR TRANSMISSION**  
T/NA 100 Vapor Barrier 0.05 perms (Grains / sq. ft. / hr. in Hg.)
- PHYSICAL**  
Tensile strength—42 A.S.T.A.  
Elongation—500% A.S.T.A.  
Modulus—100,000 psi A.S.T.A.  
Charter heat strength—448 A.S.T.A.  
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Moisture Vapor Transmission—0.05 A.S.T.A.  
Flammability—Classified as Non-Flammable
- CHEMICAL**  
T/NA 100 Vapor Barrier has excellent resistance to a variety of chemicals. The laminate was unaffected after two weeks' immersion at room temperature in the following chemicals:  
10% Hydrochloric Acid  
Conc. Ammonium Hydroxide  
10% Nitric Acid  
10% Sulfuric Acid  
10% Sodium Hydroxide  
Perchloroethylene  
T/NA 100 Vapor Barrier was unaffected after 1 year immersion in water.
- WEATHERABILITY**  
T/NA 100 Vapor Barrier has a predicted weathering life of 10 years. The following weathering data is available:  

| TIME                    | CONDITION                 |
|-------------------------|---------------------------|
| 10 yrs.—Fluids          | Still flexible and strong |
| 94° South               | No appreciable change     |
| 7 yrs.—Fluids           | Still flexible and strong |
| 64° South               | No appreciable change     |
| 3 yrs.—Fluids           | Still flexible and strong |
| 64° South               | No appreciable change     |
| 2000 hrs.—Weatherometer | Unchanged                 |

- MATERIAL SPECIFICATIONS**  

| Width of roll | Area (sq. ft.) | Weight (lb.) |
|---------------|----------------|--------------|
| 36 in.        | 3600           | 162          |
| 48 in.        | 4800           | 216          |
| 60 in.        | 6000           | 270          |
| 72 in.        | 7200           | 324          |
| 84 in.        | 8400           | 378          |
| 96 in.        | 9600           | 432          |
| 108 in.       | 10800          | 486          |
| 120 in.       | 12000          | 540          |
- 4. THERMAL**  
Glass transition temperature—225°F.  
Softening point—200°F.  
Flexibility after heat aging—700°F.  
75°F.

PLAINTIFF'S  
EXHIBIT  
GF-1867

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BUILDING & INDUSTRIAL PRODUCTS DIVISION

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