Revision: 1 Effective Date 5/21/13

**Pinnacle Products International LLC**

**EarthMade Memory Foams™**

**BS 5852 Fire Retardant Visco Memory Foam Data Sheet**

**Foam is tested under standard laboratory conditions of 72⁰ F and 50% relative humidity.**

**Manufacturer**

Pinnacle Products International LLC

87 Roberts Street

Asheville NC 28801

828-575-2188 phone

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**Chemical Family**

Fire Retardant Flexible Polyurethane Foam

**Physical Characteristics**

Blue gray, open cell, visco elastic polyurethane memory foam

Does not contain latex

Density: Approximately 5-6 lb/ft³

Odor: Slight characteristic odor

Durability: Foam will not deteriorate under normal use for several years.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TEST | ASTM # | Soft | Medium | Firm |
| 25% IFD | D 3574 | 40 lbs | 70 lbs | 108 lbs |
|   |   |   |   |   |
| 65% IFD | D 3574 | 115 lbs | 170 lbs | 290lbs |
|   |   |   |   |   |
| Tensile | D 3574 | 19 lbs | 30 lbs | 36 lbs |
|   |   |   |   |   |
| Elongation | D 3574 | 132% | 129% | 114% |
|   |   |   |   |   |
| Hysteresis | D 3574 | 17% | 12% | 26% |
|  |  |  |  |  |
|  |  |  |  |  |
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| Revision: 1 **Effective Date: 5/21/13** ***IFD*** is the amount of force, in pounds, required to indent a fifty square inch, round indenter foot into a predefined foam size at 25% indention and 65% indention. This is a good indicator of the support properties of the foam. Usually, the higher the value the more the support. |
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| ***Hysterisis*** is the measurement of foam’s ability to maintain original support characteristics after flexing. Values of less than 30% are desirable. |
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**Fire**

Passes CAL 117:2013 and BS 5852 (Crib 5)

Conditions to avoid, high temperatures, open flames, strong oxidizers, foam dust can be an irritation, if ignited foam may decompose and emit toxic gases.

Terms such as “fire retardant” describe certain flammability properties and should not be regarded as denoting fire safety under all conditions. Small-scale fire tests are not intended to reflect hazards presented by these or any other material under real fire conditions.

Thermal decomposition gases from polyurethane foams can be dangerous and present a risk to humans who are exposed. This is true for all organic materials. Fire risks in varying degrees are common to all fires: heat, carbon monoxide, other toxicants, oxygen depletion and smoke.

Standard fire-fighting equipment generally employed by authorized firemen is mandatory.

**Health Hazards**

Materials are not known to cause irritation.

Protection- No precautions are required.

Disposal-Foam is considered non-toxic and not hazardous.

Shipping -Not regulated by the Department of Transportation.

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**DISCLAIMER**

*The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. All materials should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of this material is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereafter with respects to the information contained herein or the material to which the information refers. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.*

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| --- | --- | --- | --- | --- | --- |
| Revision No. | Summary of Revision | Revised By | Revision Date | Section Revised | Approved By |
| 0 | Original Issue | CC | 12/04/12 |  | LM |
| 1 | Physical properties | LM | 5/21/13 | Physical Char. | LM |

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