**INSULATION**

**R-VALUES**

|  |  |  |  |
| --- | --- | --- | --- |
| **PIPE INSULATION SIZE (ELASTOMERIC)** | **NOM. 1/2** | **NOM 3/4"** | **NOM. 1”** |
| 1/4” | 3.3 | - | 8.3 |
| 3/8" | 3.2 | 5.4 | 7.3 |
| 1/2" | 3.2 | 5.2 | 7.2 |
| 5/8" | 3.2 | 5.2 | 6.7 |
| 3/4" | 3.1 | 5.1 | 6.5 |
| 7/8" | 3.1 | 5.0 | 6.5 |
| 1-1/8” | 3.0 | 5.4 | 6.8 |

**SPECIFICATION COMPLIANCE**

|  |  |
| --- | --- |
| ASTM C 534, TYPE II – SHEET GRADE 1 | ASTM D 1056, 2B1 |
| ASTM C 1534 | MIL-P-15280J, FORM S |
| ASTM E 84, NFPA 255, U L 723 | MIL-C-3133C (MIL STD 670B) |
| CAN/ULC S102 | GRADE SBE 3 |
| NFPA 90ª, 90B | MEA 107-89M |
| ASTM G21/C1338 | UL 181; |
| ASTM G22 | UL 94 5V-A,V-O, FILE E55798 |
| ASTM C 209 | CITY OF LOS ANGELES- RR7642 |

**PHYSICAL PROPERTIES**

|  |  |  |
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| **SPECIFICATIONS** | **VALUES** | **TEST METHOD** |
| Thermal Conductivity, Btu • in./h • ft2 • °F (W/mK) 75°F Mean Temperature (24°C) 90°F Mean Temperature (32°C) | 0.25 (0.036) 0.256 (0.037Z) | ASTM C 177 or C 518 |
| Water Vapor Permeability, Perm-in. [Kg/(s•m•Pa)] | 0.08 (1.16 x 10-13) | ASTM E 96, Procedure A |
| Flame Spread and Smoke Developed Index | 25/50 RATED | ASTM E 84 |
| Mold Growth: Fungi Resistance: Bacterial Resistance: | UL181 ASTM G21/C1338 ASTM G22 | PASSED/MEETS REQUIREMENTS PASSED/MEETS REQUIREMENTS PASSED/MEETS REQUIREMENTS |
| Water Absorption, % by Volume | 0.2% | ASTM C 209 |
| Upper Use Limit: Lower Use Limit: Ozone Resistance: | 220°F (105°C) -297°F (-183°C) GOOD | ASTM C534 ASTM C534 |