



QUIK-WORKS 4170M

1.8 lb Rigid Pour Foam

QUIK-WORKS 4170M is a rigid pour foam designed to flow readily into insulated panels and parts. 4170M is a fire-resistant, two-component, HFO-blown polyurethane foam with excellent dimensional stability. QUIK-WORKS 4170M conforms to UL 94 HF-1 tests for foamed material and is listed through Intertek.

HIGH PRESSURE PROCESSING PARAMETERS

| | QUIK-WORKS 4170M ISO (A) | QUIK-WORKS 4170M RESIN (B) |
|--------------------------|--------------------------|----------------------------|
| Specific Gravity: | 1.23 | 1.22 |
| Viscosity (cP): | 250 | 760 |
| Mixed Viscosity (cP): | | 500 |
| Mix Ratio (Volume) | 100 | 100 |
| Machine Temperature (°F) | 85 | 85 |

FREE RISE REACTIVITY/PHYSICALS

Properties at 77°F (25°C) unless otherwise stated.

| | |
|--------------------------------|---------|
| Cream (sec) | 16-20 |
| Gel (sec) | 65-85 |
| Tack Free (sec) | 110-140 |
| Density (lbs/ft ³) | 1.7-1.9 |

TYPICAL PHYSICAL PROPERTIES, MOLDED TO 2.0-2.2 PCF

| | | | |
|---|-------------------------------------|--------------|---------------|
| Molded Density, (lbs/ft ³) | 2.0-2.2 | | |
| Demold Time (min) | 10-15 | | |
| Tensile Strength, ASTM D-3574-E (psi) | 27 | | |
| Modulus, ASTM D-3574-E (ksi) | 1.1 | | |
| Fire Resistance, ASTM E84 | Flame Spread < 25 | Smoke < 450 | |
| Flammability Testing, UL 94 | HF-1 | | |
| | 1 Day | 7 Day | 14 Day |
| Dimensional Stability 70°C, 100%RH | <1 | <1 | <1 |
| ASTM D-2126 70°C, 50%RH | 0 | 0 | 0 |
| (% Volume) -40°C, 50%RH | 0 | 0 | 0 |
| Compression Strength, ASTM D-1621 @ 10% (psi) | 30 (parallel) 16 (perpendicular) | | |
| K-Factor, ASTM C-518 | 0.15 | | |
| Flexural Strength, ASTM D-790 @5% (psi) | 55-58 | | |
| Shear Strength, ASTM C-273 (psi) | 26 | | |
| Closed Cell, ASTM D-2856 (%) | >90 | | |

*Properties obtained in controlled laboratory conditions. It is the responsibility of the end user to test products and determine end use suitability.