



Product Information

HP 8012 is a Medium density rigid polyurethane molding foam system designed for processing through plural component dispensing equipment. This material is Eco Friendly and considered “Green” due to its lack of HCFC’s and HFC’s. This product is recommended for molding intricate decorative simulated wood furniture parts, moldings, picture frames and other decorative parts. HP 8012 easily accepts paints and stains.

| Physical Properties (Final Product) | Units | Test Method | Results |
|-------------------------------------|-------|-------------|-------------|
| Free Rise Density | pcf | ASTM D-1622 | 12.0 - 14.0 |
| Compressive Strength | psi | ASTM D-1621 | 215 |
| Tensile Strength | psi | ASTM D-1623 | 200 |
| Shear Strength | psi | ASTM D-273 | - |
| Elongation | % | ASTM D-1623 | - |
| Tear Strength | pli | ASTM D-624 | - |

| Handling Characteristics | Units | Component A | Component B |
|--------------------------|---------|-------------|-------------|
| Mix Ratio by Volume | (A/B) | 50 | 50 |
| Mix Ratio by Weight | (A/B) | 53 | 47 |
| Specific Gravity @ 75°F | g/mL | 1.21 - 1.23 | 1.07 - 1.09 |
| Viscosity @ 75°F | cPs | 150 - 250 | 800 - 1000 |
| Color | - | Amber | Amber |
| Cream Time @ 75°F | Seconds | 65 - 75 | |
| Gel Time @ 75°F | Seconds | 130 - 150 | |
| Rise Time | Seconds | 150 - 170 | |
| Tack Free Time | Seconds | 160 - 190 | |
| Demold Time | Minutes | 10 - 30 | |
| Final Cure Time | Hours | 24 | |

Properties are typical and not for specifications

Storage and Shelf Life

Components should be kept well sealed in a dry place from 70 to 90°F. Shelf life of unopened containers is six (6) months from manufacturing date. Mix Component B well prior to each use. Purge opened containers with dry nitrogen before resealing. Refer to product SDS for more information.

Packaging

| | | |
|--------------|-----------------------------------|--------------------|
| Component A: | 55 gallon steel drum (closed top) | 500 lb Net Weight |
| | 275 gallon plastic totes | 2500 lb Net Weight |
| Component B: | 55 gallon steel drum (open top) | 450 lb Net Weight |
| | 275 gallon plastic totes | 2250 lb Net Weight |

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