



Rayform Duracore

Rayform is a resin board with a low moisture content and can tolerate heat up to approx 275 - 300 deg Fahrenheit. Used extensively in heated steel rule dies. Can be easily laser cut and is an economical alternative to steel or aluminum. Sharples has the highest inventory in the country and stocks: 1/4", 3/8", 1/2", 5/8 and 3/4" Sharples also has the ability to mill pockets for locating or clearance of parts

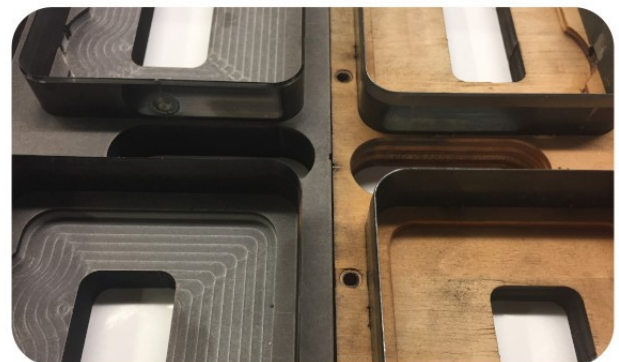


Technical Information from Essential Products

Linear Expansion % Chg <.005
Density g/cc 1.38
Thickness Variation inches +/- .005
Squareness inches .25
Warp/Twist inches <.005
Moisture Content % <.3
Water Absorption (24 hr) % 2%
Flexural Strength PSI 32,000
Flexural Modulus PSI 2,000,000
Compressive Strength PSI 40,000
Compressive Deflection @7000 psi .03 in
Internal Bond Strength pounds 1,100
Impact Strength (w grain) ft. lbs/in 1.2
Impact Strength (x grain) ft. lbs/in 1.2
Rockwell Hardness M-Scale 110

General Properties:

- ◆ Virtually warp Free"
- ◆ Outstanding stability (less than .005")
- ◆ Outstanding rule holding strength
- ◆ Re-knife's easily with no slot expansion
- ◆ Consistent kerf widths
- ◆ Impervious to moisture
- ◆ Can withstand high temperatures



Rayform vs Wood dieboard

Rayform is a much better alternative for a heated die vs Maple or Birch dieboards.