



# COMPOSITE ENVISIONS



## Chavant Y2-Klay Industrial Design Clay

This dark brown, hard styling clay can be used to create accurate prototypes and patterns. Y2-Klay is workable at 135°F and is hard at or below room temperature. The sulfur-free, low odor formula of Y2-Klay makes for a better working environment, and is 30%-40% lighter than other industrial styling clay; making the models easier to move and handle. Resistant to shrinking and cracking, Y2-Klay holds excellent surface detail and can be milled or shaped with tools.

Final clay forms made with Y2-Klay can be used as a plug, impression mold, or as a male or female mold. In order to use Y2-Klay as a mold-making material, the clay surface needs to be primed or top coated. To prepare the clay surface, spray 3 mist coats of PVA directly onto the clay. After the PVA has dried into a film, #1041 Duratec Gray Surfacing Primer or Tooling Gel Coat can be sprayed over the PVA to obtain a proper mold surface.

\*Note: If Y2-Klay is used as a mold-making material, the original clay form will likely be destroyed.

**Billet (cylinder) Size:** 1.75 lb block  
**Approximate Billet Dimensions:** 2 ½" diameter x 10" long  
**Net case weight:** 35 lbs (20 x 1.75 lb blocks)

### Product Properties

- **Lightweight** – 30%-40% lighter relative to other industrial styling clays. Clay models are easier to move and handle.
- **Sulfur-Free** – Reduces potential corrosion of susceptible metals and simplifies mold making.
- **Low Odor** – Improves working environment.
- **Excellent for Milling** – Clay fragments do not stick to milling bits. The surface holds excellent detail and allows for higher milling speeds, which reduces milling time
- **Resistant to Shrinking and Cracking** – Saves time repairing models and stabilizes surface data.
- **Workable at 135°F (57°C)** – Faster heating and a more comfortable working range.

Chavant Y2-Klay Clay Density		
Clay Name	Density @ pounds/cubic foot	Specific Gravity (g/cm3)
Y2-Klay	62	1.00

Where water has a density of 62.5 pounds/cubic foot and a specific gravity of 1 g/cm3

\*These tables establish a general guideline only. Although formulations remain constant, clay characteristics can vary due to age and the actual qualities of naturally occurring raw materials used in the production of Chavant clays.