

O I L - B A S E D C L A Y

A GUIDE TO MODELLING

FORM X

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PLASTICINES

Plastilines, also called plasticines, are modeling materials based on wax and vegetable oils. In this overview we have tried to indicate the specific properties of each product, the advantages or disadvantages. However, the choice is often a matter of "taste", due to small differences in processing that are difficult to identify, but can make all the difference for the individual user.

All these products are completely safe, without substances harmful to health. They can also be molded with silicone without any problems (sulfur-free, therefore no inhibition).



ALIEN CLAY

SMELTBARE PLASTILINE

Alien Clay is a relatively new product from Chavant and is completely meltable and pourable. The melted product has the consistency of thick cream.

- Ideal for detailed castings from silicone molds.
- Does not separate during melting and can therefore be poured without any problems
- Available in handy hard plastic packaging that can also serve as a melting container or in economical bulk packaging
- Thanks to the convenient partitioning, Alien Clay is easy to divide into manageable portions.

Variants: Soft, Medium and Hard.

Packaging: Saucer or bulk.



MONSTER CLAY

SMELTBARE PLASTILINE

MonsterClay is a meltable plastiline, specially developed for the film industry, for sculpting monsters and other creatures. Monster Clay is widely used by artists and for prototyping.

Variants: Soft, Medium, Hard.
Colours: Brown, Grey.



PLASTILIN

Did you know that "Plastilin" was originally a children's toy? It was developed in 1880 by Franz Kalb in Germany. Plastiline quickly became a generic name and is now the usual name for wax or oil-based modeling materials, which is why there are now many professional variants and types. The Wallace and Gromit series shows how plastiline is used to make animation figures for Stop Motion film.



NSP

STANDARD PLASTILINE

Chavant's NSP product line has a high proportion of wax components, resulting in a somewhat harder "clay" with excellent adhesive strength and flexibility. NSP plastiline can be "cut" tightly without frayed edges. The surface is naturally rough, even NSP-Soft feels surprisingly firm for some.

Variants: Soft, Medium, Hard.
Colors: Brown, Tan, Green.



CONTOUR CLAY

STANDARD PLASTILINE

Chavant's **Contour Clay** is a versatile modeling medium that shapes smoothly, smooths and cuts well.

The warm gray color makes it easier to see profile lines and surface structures. Recommended for optimal ultra-fine detailing at room temperature (23°C). Contour Clay has a high temperature resistance, ideal for modeling projects in warm studios, even in the summer months.

When heated, the clay acquires a buttery-soft consistency.

Heated, soft Contour Clay is easy to apply to EPS foam or to armatures made of other materials. The layer thus applied can then be further modeled.

Variants: Soft, Medium, Hard.



LE BEAU TOUCHÉ

STANDARD PLASTILINE

Le Beau Touché (LBT) is a sulphur-free plastiline, prized for its smoothness and adhesiveness. LBT is flexible and does not crack or tear.

Le Beau Touché-HT is stable at temperatures above 32°C and is therefore suitable for warmer climates.

Colours: Brown, Green, Cream.



HERBIN

STANDARD PLASTILINE

Herbin plastiline from France is mainly known from the special effects industry, but it also has many other applications. The five hardness degrees are unique, which can be read from the last two digits of the product code (higher is harder).

Variants: 40, 50, 55, 60 70
Colours: grey, cream colour.



CLAYETTE

UTILITY PLASTILINE

Clayette is easy to mold with silicone rubbers. This plastiline not only retains excellent details but is also extremely suitable for precision modeling work, prototyping and model making. Clayette is also used as a utility clay for fabricating partitions when creating two-piece molds.

Variants: Soft, Medium, Hard.



SCULPTEX

UTILITY PLASTILINE

Sculptex Extra Soft is probably closest to sulphur-containing plastiline in terms of softness and workability. The Sculptex range is ideal for precision sculpting, prototyping and model making. It is used as a utility plastiline for making partitions in two-piece molds. The 12 mm thick Sculptex "strips" are easy to break by hand.

Variants: Extra Soft, Soft, Medium, Hard.



CASTILINE

INDUSTRIAL PLASTILINE

Castilene is not just any plastiline, it is the hardest in our range and tends more towards a hard wax than a traditional plastiline. This hardness makes it the best choice for prototyping. For years, Castilene has been the standard for toy and jewelry design.

Castilene has a low specific gravity.



Y2K CLAY

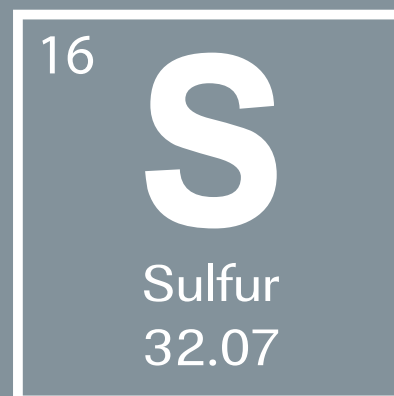
INDUSTRIAL PLASTILINE

Chavant's Y2K is widely used in the automotive industry and for making prototypes.



SULFUR FREE

Did you know that the original plastiline contained sulfur? Since sulfur causes inhibition (hardening problems) when molding the plastiline object with silicone rubber, it has been decided to replace the sulfur with other fillers. These sulphur-free plastilines can be molded with silicone without any problems.




DUROMETER HARDNESSES PLASTILINE

Durometer Hardness "A"	10	20	30	40	50	60	70	80	90	100
Sculptex Super Soft	9									
Sculptex Soft	14									
Sculptex Medium	26									
Sculptex Hard	32									
Clayette Soft	14									
Clayette Medium	26									
Clayette Hard	32									
NSP Soft	24									
NSP Medium	33									
NSP Hard	51									
Contour Soft	19									
Contour Medium	24									
Contour Hard	34									
LBT Original	17									
LBT HTR	27									
Alien Clay Soft	45									
Alien Clay Medium	55									
Alien Clay Hard	70									
Castiline Soft	66									
Castiline Medium	78									
Castiline Hard	95									
Y2K	53									
Herbin Soft	40									
Herbin Soft Medium	50									
Herbin Medium	55									
Herbin Medium Hard	60									
Herbin Hard	70									



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Alginates, glues, additives, acrylic resins, silicones, polyurethanes, polyester, Jesmonite, concrete mixes, epoxy resins, plasters, clays, plastelins, thermoplastics, waxes, papier-mâché, polyurethane foam, latex foam, sealants, release agents, thinners, pigments, paints, make-up, primers, fillers, latex, fiberglass, equipment, tools.