

Silicone Pigments

Range of Pigments suited for use with a range of Silicone RTV materials

MOULD
Life

1. Introduction

Mouldlife silicone pigments are blends of organic and inorganic pigments milled and dispersed in silicone oil.

The key benefits of Mouldlife silicone pigments are:-

- Compatibility with a wide range of silicone RTV materials
- Solvent free/Non-flammable
- Easy to mix and use – low viscosity
- Can be blended to vary the colour range

2. Applications

Mouldlife silicone pigments can be used to pigment and colour a wide range of silicone materials such as moulding compounds, prosthetic materials and spray coatings etc. Care should be taken if using with moisture curable (1-part) silicone adhesives as the incorporation of pigment could cause premature cure.

The materials are used in a range of applications:-

- Tooling and prototyping/Mould-making
- Film, TV and Stage props and Special effects
- Scenery Design
- General Mould-Making

3. Typical Properties – Liquid Materials

Property	Units	Mouldlife Silicone Pigment
Appearance	-	Slightly to very viscous liquid
Specific Gravity	g/cm ³	~1.1 - 1.7
Viscosity	cps	500 - 5000
Particle Size	μ	<10

Description

Inorganic/Organic
Pigments dispersed in
Silicone Oil

Form

Liquid Additive

Addition Ratio

1-3 percent by weight

Basic Colour Range

White
Black
Blue
Green
Brown
Red
Yellow

(Other colours can be
produced to request)

4. Usage levels

	Silicone Base	Silicone Pigment
By Weight	100 parts	1 - 3 parts

5. Working safely with Mouldlife Silicone Pigments

All chemicals present certain hazards, and due care must be taken to ensure safe working practises are followed when using the materials. **Failure to follow safe working practise when dealing with chemicals can result in injury.**

Some sensible guidelines for working safely with Mouldlife Silicone Pigments include, but are not limited to the following.

- i) You must carry out an appropriate risk assessment for the process you are carrying out. Useful guidance can be found at www.hse.gov.uk/risk/index.
- ii) You must read and understand the MSDS for the materials, ensuring that you follow the guidelines as indicated.

If in doubt, contact your Mouldlife representative who can put you in touch with experts who can assist.

6. Packaging, Storage and Shelf-life

Mouldlife silicone pigments are available in a range of kit sizes; speak to your Mouldlife representative for further information.

Mouldlife silicone pigments should be stored between 5°C and 25°C. Under these conditions, shelf-life in the original, unopened containers is two years.

Mouldlife silicone pigments will separate over time, and should be thoroughly mixed prior to use.

7. Cautionary Note

As with all Mouldlife products, this material not been tested for all applications, and it is strongly recommended that customers carry out adequate evaluation work to determine the suitability for the intended use.

No liability will be accepted for any losses, whether direct or consequential, arising from use of this material.