



PS28 SILICONE MOULDING RUBBER

Introduction

PS28 is a two component room temperature condensation curing silicone compound.

The cured product is an exceptionally flexible rubber with very high mechanical properties and good shelf life stability. It is suitable for mould making of intricate patterns with extremely good pick up of fine details. Softer grades are better suited for use where there are deep undercuts.

Key Features

- Very high tear strength
- Dimensional stability
- Chemical resistant to PU and PE
- High detail pick up

Use and Cure Information

The curing process starts as soon as the catalyst is added. Under normal conditions of temperature and humidity, typical curing characteristics are described below. If the product is to be used in contact with aggressive chemicals, such as high styrene polyester resins or epoxies, it is recommended that the rubber be allowed to cure for 24 hours before use.

How to use

Mix ratios are based at by 10% weight of catalyst into a suitable plastic or metal container. The volume of the mixing vessel should be sufficient to allow for rapid expansion which takes place during the initial degassing of the catalysed rubber. Mix thoroughly avoiding excessive air entrapment but using the colour contrast to achieve homogeneity. Stop the mixer and scrape the vessel walls a few times. To prevent imperfections due to bubbles in the cured rubber, it is advisable to de-aerate the liquid rubber by using intermittent evacuation for a few minutes. Normally after releasing the vacuum 2 or 3 times, the mass collapses naturally after which degassing should continue only for a few minutes.

Vertical Application

PS28 can be used to make mouldings on vertical surfaces by employing PS Thixo. A typical formulation for good thixotropy and approximately the same working life of the normal rubber is 2% by weight.

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