

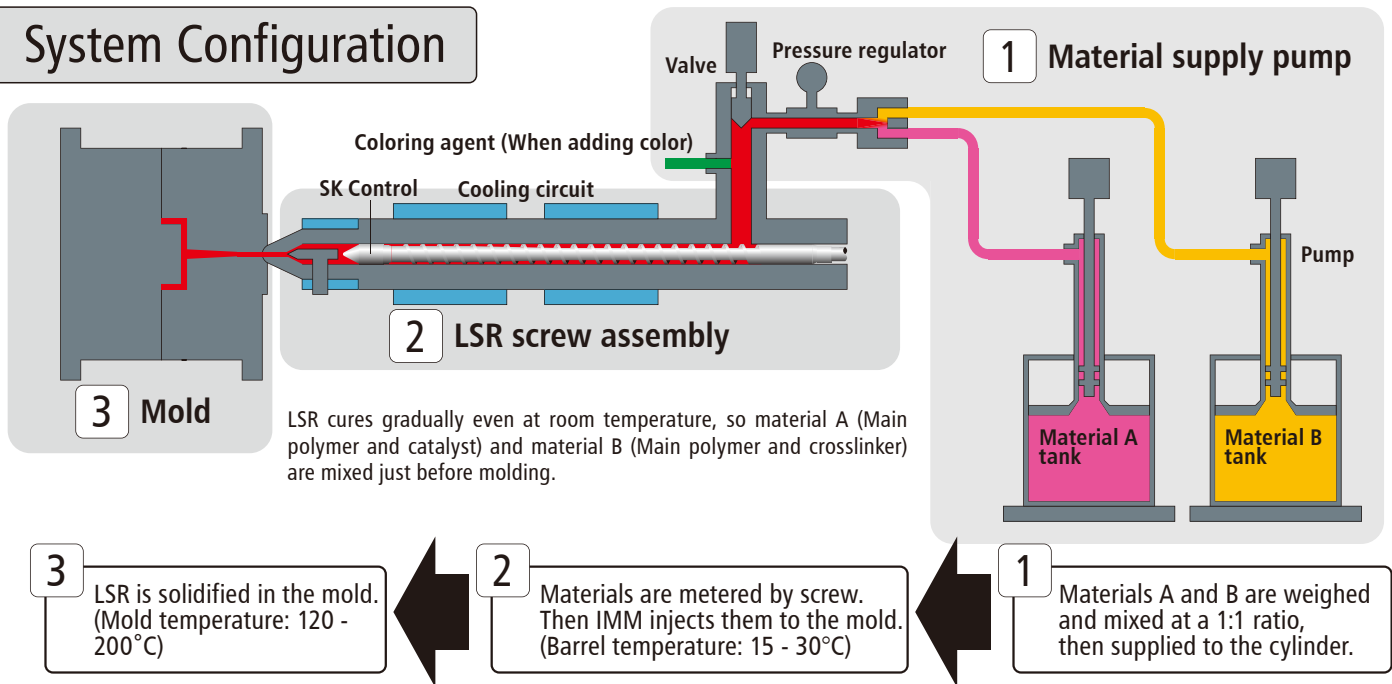
! LSR Package

Overview

LSR (Liquid Silicone Rubber) is a rubber of high heat resistance and compression restorability that is used in various purpose. Recently, LSR is used for seals and closures with plastic material. This package provides solutions for stable and precision molding by solving characteristic problems at LSR.



System Configuration



Problems and Solutions

Problems

Prevention of burrs and short shots

Stable precisions

Compounded molding with dissimilar materials

Solutions

LSR screw assembly + SK Control

High-performance material pump

All electric double-shot IMM

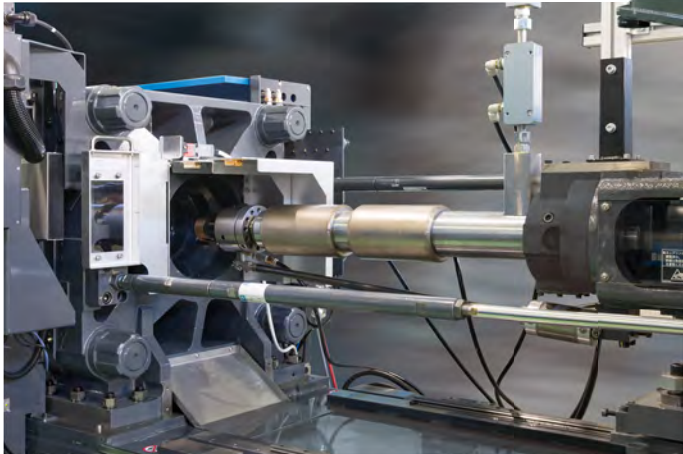


Specifications

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Specifications

Features of package components



■ LSR screw assembly

The screw provides stable and precision metering by special design. You can choose $\varnothing 16 - \varnothing 45$ mm (mold clamping force: 300 - 1800 kN). Barrel has cooling circuit to keep temperature at 15 - 30°C.

■ SK Control

Because of LSR's low viscosity, the seal mechanism at the screw tip is critical item for stable molding. At SK Control, the resin flow channel is shut off by screw rotation to prevent backflow during filling. It provides stable and precision molding at small shot volume.



■ Material supply pump

At LSR molding, material is supplied to barrel after material A and B are mixed at 1:1 ratio. Following items are required for pump.
Air is not included. / No feeding pressure change / Keep mixing ratio at small shot volume

About the material supply pump

1. Pump is provided by Sumitomo.

Sumitomo provides LSR molding system with IMM, pump and piping for Japan and oversea.

- For specifications of material pumps, contact a Sumitomo sales representative.

2. Pump is provided by the customer.

Sumitomo provides IMM with LSR screw assembly.

- For dimensions of mounting parts for piping, contact a Sumitomo sales representative.

