

# ScrewClean® SR-420

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## Description:

ScrewClean® SR-420 is a cleaning compound indented for the use in injection moulding machines and extruders. This compound is based on polyethylene (PE), a non-polar plastic. The cleaning effect is achieved through selected additives. ScrewClean® SR-420 remains solid between 160 and max. 300 °C.

Please note, that temperatures exceeding 300°C require the use of appropriate respiratory protection and a suitable filter (see MSDS.)

## Application Fields:

ScrewClean® SR-420 is suitable for cleaning nozzles, screw-extruders and cylinders in injection moulding machines and extruders. ScrewClean® SR-420 achieves great results in hot runner-systems and may therefore be considered as especially suited for those. ScrewClean® SR-420 is generally applied for non-polar compounds such as PP, PE, PS, POM, PTFE due to its polarity.

## Application:

ScrewClean® SR-420 is capable of cleaning nozzles, screw-extruders and cylinders from deposit corrosions and fouling under common working temperatures. The screw can easily be disassembled after the cleaning cycle has succeeded. Having accomplished a correct cleaning cycle with Cleaning Compound ScrewClean® SR-420, the usual level of rejects due to changes in color are minimized. We recommend the following procedure:

- 1) Empty the compound 1 as far as possible
- 2) Fill hopper with the needed quantity of ScrewClean® SR-420 (see dose table)
- 3) Set up the cleansing temperature according to the operations area of ScrewClean® SR-420 (160 - 300°C)
- 4) Induct the cleaning compound (SR-420) through the hopper. Allow the compound to rest in therein for approx 5-10 minutes in case of an extensive amount of deposit corrosions
- 5) Empty the ScrewClean® SR-420 as far as possible
- 6) Fill compound 2 into the hopper. Set up the new process parameters, squirt out the leftovers of ScrewClean® SR-420. Start production procedure.

## Dosage Chart:

Screw diameter (mm):	Amount (kg):
30	0.4
40	0.8
60	1.4
80	2.5
100	5.0
120	9.5
140	15.0

### Information for regulations on safety and transportation are provided in the safety data sheet

Product technical information and data is based on the best information available and does not constitute or imply a warranty or patent infringement of any kind. The user is responsible for testing product suitability prior to use in production. The above mentioned data do not constitute viable parts of a specification, for which further, separate agreements are necessary.



## Technical Data

<b>Composition:</b>	polymer with additives
<b>Appearance:</b>	brown pellets
<b>Bulk density [g/cm<sup>3</sup>]:</b>	approx. 0.6
<b>Squatting temperature[°C]:</b>	> 120

## Packaging:

PE bag 25 kg

## Storage:

This product should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight. If these rules are obeyed, the product can be stored for at least 24 months. The expiry date is stated beneath the production date on the labels of each container.

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