

## Grade

Grade	Temp. range (°C)	Features / Application resin
S, S2, S3	210~300	Commodity plastics to engineering plastics, High detergency type
M3- 1	160~290	/ P.S., A.B.S., P.C use etc. Polyolefin / P.P., P.E
MPX, MPZ	160~290	Purging for color only / P.P
MJ4PZ	180~300	Commodity plastics to engineering plastics. High detergency-Low residue. / PP,PE,ABS,PA6,PBT use etc.
MG10	180~320	Commodity plastics to engineering plastics. High detergency, With GF added. / PP,PE,ABS,PA6,PBT,PPE use etc.
EXO-3	160~320	Seat-Film, Extrusion Use / P.P., P.E., A.B.S use etc.

## Notes for usage

- ◆keep "Super Clean", sealing up strictly.
- ◆Avoid high temperature and humid place.
- ◆Keep away from acid, water.
- ◆Refer to MSDS in details.

## Packing form

25kg paper sack..



ISO9001、ISO14000

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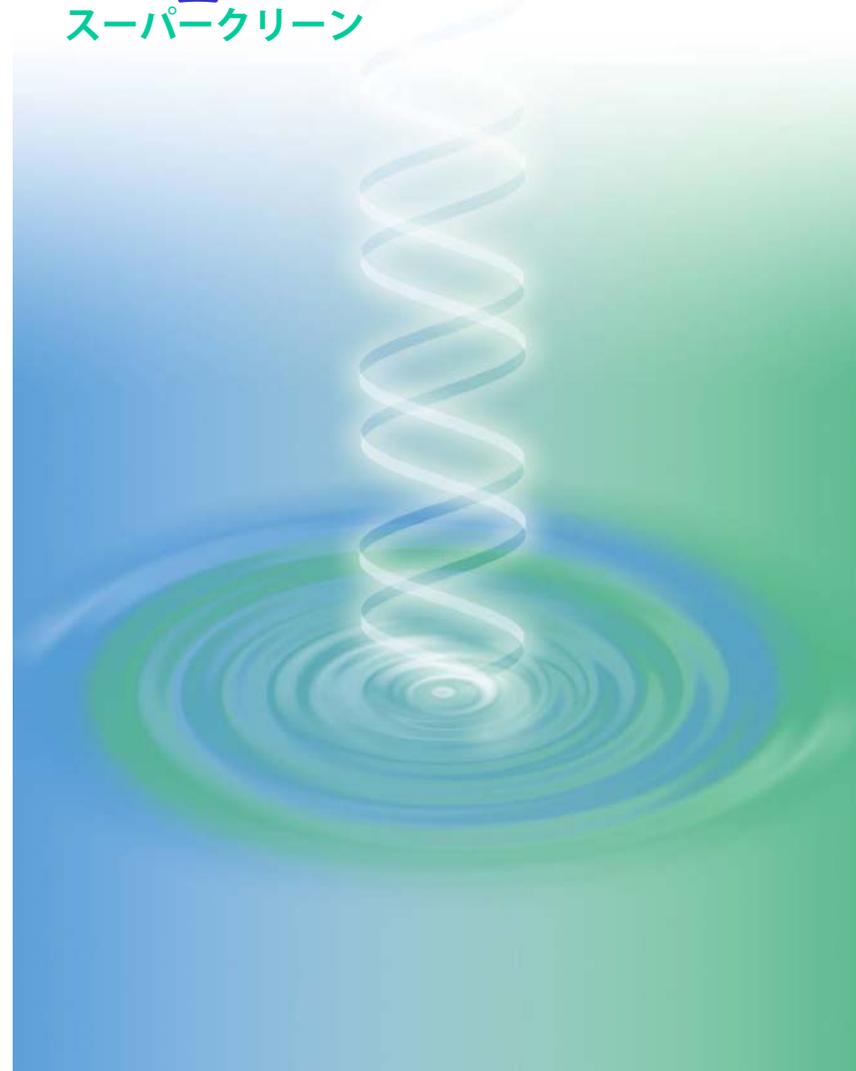
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A high-performance purging compound

# Super Clean

スーパークリーン



**NITTO KAKO C**  
o., LTD

## "Super Clean"

"Super Clean" is formulated to purge all types of thermoplastics materials. "Super Clean" is a high-performance purging compound developed by NITTO KAKO Corp. for plastics molding machines. The excellent performance, achieved by adding special additives to unique base polymers, is being recognized as a highly effective purge agent for engineering plastics and thermoplastics materials.

## Features

### 1. Application in various types of resin materials

You can use "Super Clean" from commodity resins to engineering plastics. "Super Clean" has the grade that you can also use for cleaning of hot runners and mixing screws.

### 2. High detergency.

"Super Clean" will provide the dual-scrubbing action to purge faster and clean more effectively than

### 3. Low residue

any other commercial purging product. It is very easy to remove "Super Clean" in swift over to next plastics, whereas common purging agents apt to remain in a cylinder and often cause problems.

### 4. Saving cost

"Super Clean" will contribute to saving cost by reducing the changeover time and the material loss.

## Procedures

### Cleaning procedures of an injection molding machine by "Super Clean".

1. Purge a remaining plastics in a cylinder.
2. Throw "Super Clean" into a hopper and rotate a screw at minimum back pressure.
3. Purge at high speed. (5-10 shots)
4. Purge "Super Clean" continuously from a nozzle.
5. Add succeeding resin and purge until proceeding resin is no longer visible.

Clamping force (ton)	Super Clean Quantity
1 0 0 TON	0.4~0.6kg
5 5 0 TON	2.5~4kg
8 5 0 TON	5~6kg

※The Table (I) shows rough standard. Please adjust them to the plastic you use or the dirt of your machine.

### Cleaning procedures of an Extruder by "Super Clean"

1. Purge a remaining plastics in a cylinder.
2. Throw "Super Clean" into a hopper.
3. Set a cylinder at the processing temperature.
4. Extrude "Super Clean" according to machine size (refer to table II) until "Super Clean" is no longer visible.

Screw Diameter	Super Clean Quantity
40mm φ	2kg
90mm φ	7kg
130mm φ	16kg

※The Table (II) shows rough standard. Please adjust them to the plastic you use or the dirt of your machine.

## Purging performance

Comparison of "Super Clean" with another purging compound in the market. "Super Clean" will purge a remaining plastic from your equipment more quickly and more efficiently.



### For Purging Injection Machines

"Super Clean MJ4PZ"

Another purging compound in the market

### Barrel & Screw pre-overhaul cleaning

"Super Clean MJ4PZ"  
(Low residue)



Use "Super Clean" when you'd like to purge the carbonized residue in swift.

### T-DIE SHEET

"Super Clean EXO-3"



You can replace with another succeeding resin without stopping your machine.



### For purging Extruders (Inflation Film)

"Super Clean EXO-3"

Dilute "Super Clean" with LLDPE to clean for color change. (Blend ratio: SC-EXO-3/LLDPE= 1 : 1)