

Cleaning agent/anti-burning agent for pellet molding machines

Applications

Molding machine cleaning agent for color changes and anti-burnout agent inside molding machines for plastic molding and processing.

Characteristics

Cleaning agent

- Capable of reducing cleaning time during a color change, compared with uncolored resins for cleaning molding machines.
- Applicable to various molding / forming methods, such as injection / extrusion / blow molding and film forming.
- Available for various molding temperature ranges of plastics from olefin resins to engineering plastics.
- Capable of replacing materials for next production lot easily because of very little residual cleaning ingredient in molding machines.
- Registered and approved by Japan Chemical Innovation and Inspection Institute (JCII).

Anti-burnout agent

- Our anti-burnout agent mitigates the thermal history of materials from machine shutdown to the temperature rise during restart. Because of its effect in suppressing the occurrence of degraded products and fisheyes in the molding machine cylinder, it helps improve production efficiency.
- Composed of substances listed in JCII and FDA.
*TC-30: Dilutant = 1:5 within the composition range listed in JCII.

Evaluation Results

■ Cleaning effect in injection molding machine

Type of resin used : PET
 Coloring agent : Phthalocyanine blue 0.5%
 Molding temperature : 280°C
 Molding machine : 70t injection molding machine

	Cleaning evaluation	Number of shots	Replacement evaluation	Number of shots
Conventional Products		40		40
P-500		30		30

■ Burn prevention effect (Gear oven discoloration test)

*TC-30 : Blank = 1 : 5

	230°C	0h	2h	4h
Blank				
TC-30*				

Representative Products

Product name	Type	Main recommended application	Recommended operating temperature	Filler content
P-100	Cleaning agent	Various olefin molding (general purpose)	150~230°C	○
P-130	Cleaning agent	Various olefin molding (low smoke emission)	150~250°C	○
P-500	Cleaning agent	Various molding of olefins to super engineering plastics (super-plastics)	180~340°C	○
NF-600	Cleaning agent	Various olefin molding processes	150~230°C	×
TC-10	Anti-burnout agent	Various olefin molding (compound type)	150~250°C	×
TC-30	Anti-burnout agent	Various olefin molding (masterbatch type))	150~250°C	×

* The above data represents our internal experimental data and is not guaranteed.