

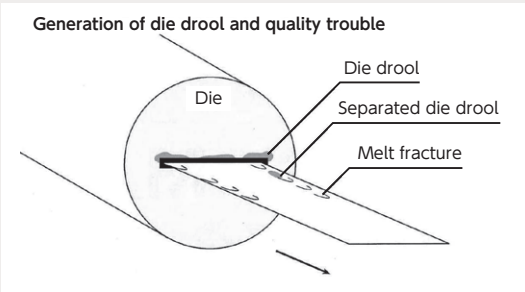
Anti Die Drool Masterbatch

Application

Masterbatch effective in reducing die drool during plastic molding process

Characteristics

- Our masterbatch is capable of reducing die drool due to the addition of colorants and/or fillers during molding process, removing die drool in a shorter time, and preventing troubles such as contamination and melt fracture on the surface of molded products.
- An active ingredient in our masterbatch forms a resin coating layer with buffer action at the molecular level during molding process.
- The above resin coating layer decreases the damage caused by die wall friction and excellent smoothness. As a result, our masterbatch is capable of reducing die drool.

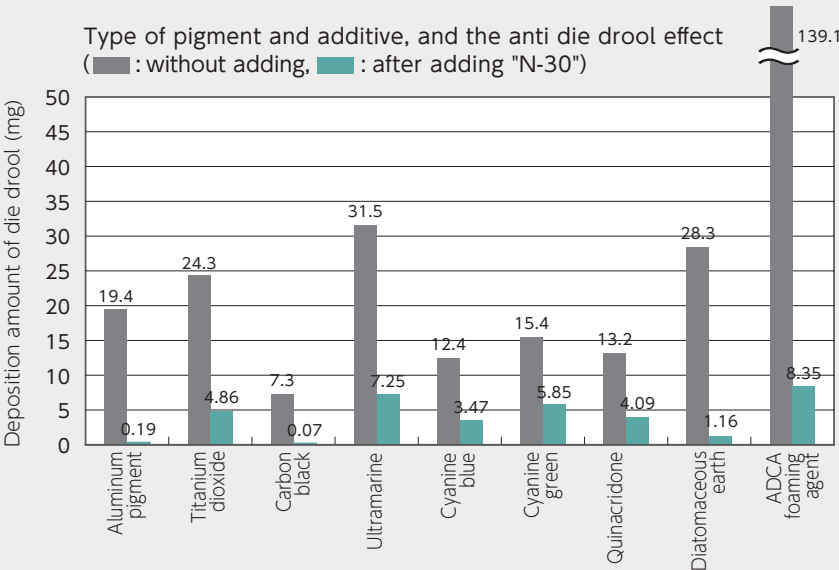


Representative Products

Product name	Application example	MFR of diluted resin	Addition amount when using
SSC LO-20	LDPE, HDPE film	0.01~10	1~3%
SSC L-20	LLDPE, HDPE film	0.01~10	
SSC N-30	Colored moldings and films	0.1~50	

Evaluation Results

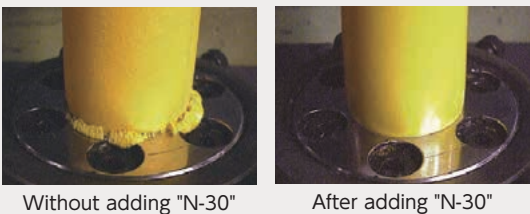
■ Anti die drool effect



【 Evaluation method of die drool 】

- Single screw extruder
Processing temperature 170°C
Discharge amount 37kg/h
Shear speed 166/s
Extrusion time 30 min
- Compound composition (without adding)
Pigment or filler 5 parts
LDPE resin 95 parts
- Compound composition (after adding "N-30")
Pigment or filler 5 parts
LDPE resin 95 parts
N-30 3 parts
- Collecting and weighing the die drool adhered to the die after extruding the above compound for 30 minutes.

■ Example of anti die drool effect in foam inflation molding



*Above is our internal experimental data.
It is not guaranteed.