CHEMICAL

APPLICATION GUIDE BOOK

GRAPHITE (DISPERSING)

01

▶ Purpose of use of graphite and manufacturing line

High Heat Resistance
*Heat-Resistant Additives
*Molds and Parts for Castingl

Corrosion resistance, releasability
*Corrosion-Resistant
*Releasable Coating agent
*Lubricant and Finishing Additives

High Thermal Conductivity
*heat dissipation material for display

High Electrical Conductivity
*Battery anode and conductive material

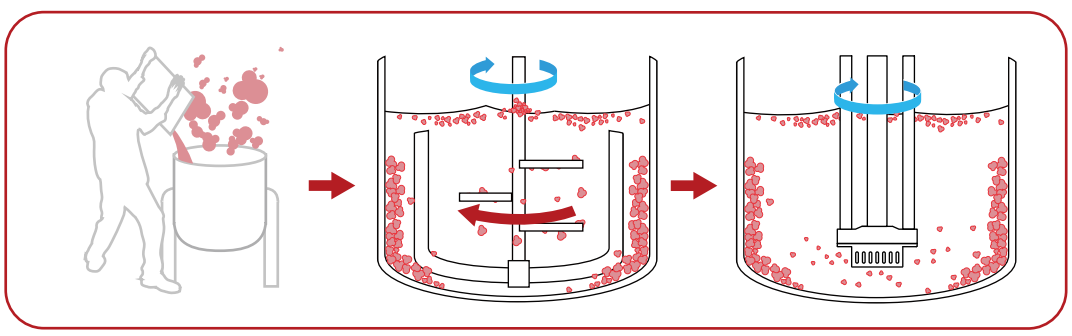
▶ General Process

1) After filling the container or tank with the solution, immerse the DISSOLVER or ANCHOR MIXER in the solution to operate.
2) Inject graphite powder and start the first dispersion. (It takes several hours)
3) Secondary dispersion is carried out through a disperser such as HOMO MIXER according to the use. (It takes several hours)

02

Problems with existing processes

1) Many people are using DISSOLVER or ANCHOR MIXER that disperses graphite at low speed.
2) Low-speed mixers may take several hours or days to obtain satisfactory dispersion results, and may have to go through a disperser process such as HOMO Mixer, resulting in decreased production efficiency, and product performance degradation if dispersion is insufficient (depending on the amount and production of graphite)
3) Graphite has a process that avoids shape destruction due to overdispersion depending on the application, so precise dispersion work is sometimes required.
4) Graphite powder emits a lot of dust when directly put into the liquid phase, and the contamination of the workplace is very severe, so it is difficult to put it in.



Even such a difficult process can be innovatively improved with MIXENMILL
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