

LUCITE® DIAKON® CLEAN BATCH

Cylinder cleaning agent

Need a purging compound? Need to keep downtime and scrap material to a minimum? Lucite Diakon Clean Batch is the answer.

Clean Batch is a methyl methacrylate based polymer, which has been developed mainly for cleaning the cylinders and screws of injection moulding machines and extruders where PMMA is being processed.

Clean Batch can be used directly from the bag - no pre-drying required, it is easy to use - no need for blending or soaking. It is supplied in the form of coarse granules in 25 kg sacks.

A considerable amount of time is lost in many injection moulding and extrusion plants due to cleaning operations. The use of Clean Batch makes a valuable contribution to reducing costs and rationalising production.

Quickly change from coloured material to clear material



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The source of inspiration

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Application recommendations

Extrusion

- ❑ Run the machine at the temperature used for the last material processed (max 280°C) but with a reduced screw speed.
- ❑ It is recommended to remove filtration systems and die heads from extruders before purging commences. These components should be cleaned manually as per the manufacturers instructions.
- ❑ Starve feed the Lucite Diakon Clean Batch into the machine by hand as excessive quantities can jam the screw or overload the drive motors.
- ❑ Continue to purge with the Clean Batch until the extruder is clean. Do not leave Clean Batch in your machines for extended periods. It is recommended that you process a sample of your production material in preparation for start up.

Injection Moulding

- ❑ It is advisable to remove nozzles with hole diameter < 3 mm from injection moulding machines before cleaning. Shut-off nozzles must always be removed. The purging compound must not be injected into the mould or processed through hot runner systems or shut-off pins.
- ❑ Retract the hopper from the feed throat and clean away all residual polymer from the feed throat.
- ❑ Run the machine at the temperature used for the last material processed (max 280°C) but with a reduced screw speed, 80 rpm for 100 tonne machine, 40 rpm for 300+ tonne machine.
- ❑ Starve feed the Clean Batch into the machine by hand as excessive quantities can jam the screw. Ensure that contact by the operator with hot or rotating parts is not possible.
- ❑ Continue to purge with the Clean Batch until the moulding machine is clean. Do not leave Clean Batch in your machines for extended periods. It is recommended that you process a sample of your production material to remove all traces of Clean Batch before replacing the nozzle in preparation for start up.

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Users of Lucite Diakon polymer should consult the relevant Material Safety Data Sheet.

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