



aquapurge

purging compounds
for the plastics industry



PVCPurge

Notes and Tips

Performed and reported by: John Steadman, Technical Director

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Unit 7, Craufurd Business Park, Silverdale Road, Hayes, Middlesex UB3 3BN. UK.



+44 (0) 20 8813 7990



+44 (0) 20 8848 8404



enquiries@aquapurge.com



Note and Tips

PVC Purge

PVC Purge is a PVC based (K65) organic co-stabilised scrubbing purge for injection moulding, blow moulding and extrusion machines processing PVC. It is highly filled with Aquapurge's soft organic scrubbing concentrate which mechanically scrubs carbon off the internal surfaces. It is designed to remove carbon NOT keep it away, it is not a substitute for your Freeze.

In other words, if you are getting carbon specs or burn marks in your PVC product, purge with **PVC Purge**, go back to PVC and start running again.

PVC Purge is highly stabilised but the scrubbing concentrate is much more efficient at conveying heat than polymer materials. As such, **PVC Purge** should not be left in a machine for longer than 5 minutes, either purge early with PVC, a PVC freeze or continuing to purge with **PVC Purge** until ready to start.

Use **PVC Purge** as a start-up purge NOT a shut-down Freeze

Clearing out PVC Purge efficiently

PVC Purge has a stiff flowing carrier which gets more viscous with increased residence time. For this reason, it is profoundly important that **PVC Purge** should NOT be purged out with a Polyethylene as materials such as LDPE will slide over the **PVC Purge**, allowing it to degrade and therefore making it impossible to purge out. **PVC Purge** must be purged out with your PVC or PVC Freeze until completely removed. If your process is blow moulding, you may then use a polyethylene to clear out the PVC and shut down if required.

Using PVC Purge for mechanical strip-downs

Once purging has finished and **PVC Purge** looks clean, immediately start stripping equipment always removing **PVC Purge** whilst hot. If during strip-down it is possible to run the machine safely without restrictions (dies, nozzles etc.), running a further small quantity of **PVC Purge** will result in the purge extruding un-melted in a powder form. This will further aid dismantling of the equipment.

Never put equipment with **PVC Purge** residue attached into a heated pyrolysis oven to clean

Re-use of PVC Purge

Unfortunately, due to the efficient transfer of heat through our scrubbing concentrate, after one pass through the machine, **PVC Purge** is now too viscous to be cleared out effectively by PVC. Therefore, DO NOT REUSE the **PVC Purge**. It should be disposed of through your normal waste collection system.

Covering conveyors, calibrators and machine beds

Not all the scrubbing concentrate of **PVC Purge** is bound in the parison/extrudate/purge. It is therefore important to cover equipment, put in a purge tray or remove the tops and tails conveyor so that the scrubbing concentrate does not get into the closed loop reclamation system or on to moving surfaces.



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