



Redesigning plastics. For good.

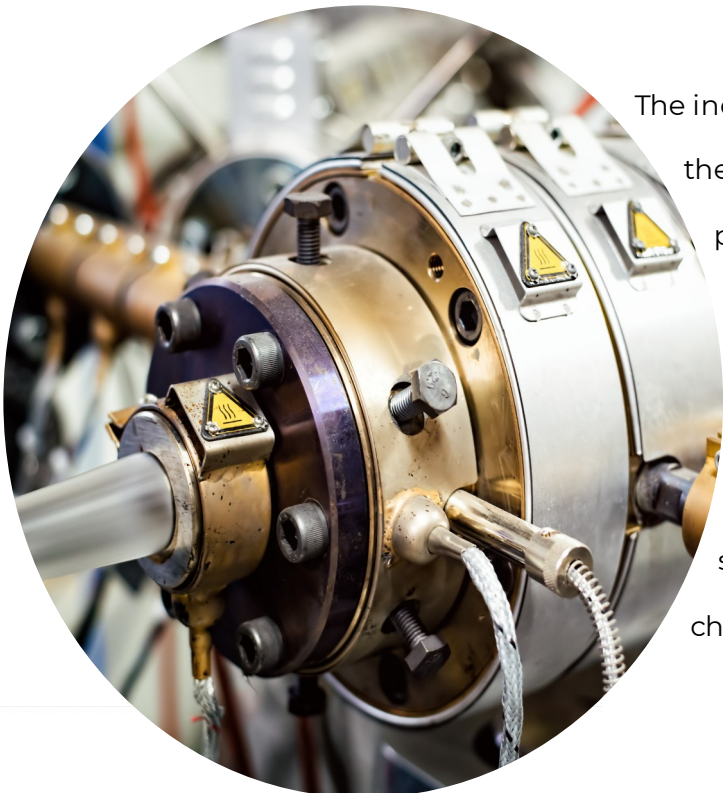
PVC purge compounds

ProVinyl

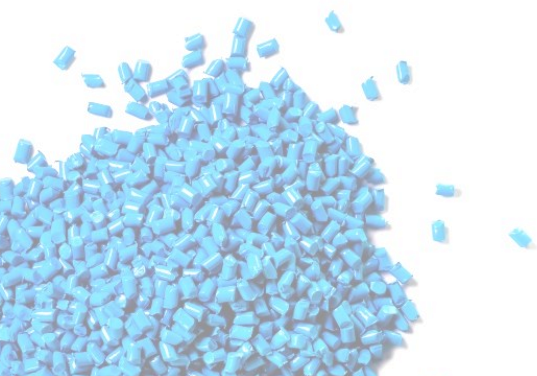
Optimise your process with Benvic

The PVC manufacturing industry demand for sustainable advancements in productivity continues with the focus on enhanced and effective cleaning systems for end to end production processes, such as extrusion and injection moulding equipment. This includes the associated costs of in-process start-ups, shutdowns, tool changes, and batch changeovers.

Purge compounds have a key role in addressing these costs by reducing time, material and equipment damage. Their purpose, by definition, is to “remove abruptly” the existing material from the production equipment as quickly and efficiently as possible. This is the underlying concept of the various BENVIC purge solutions.



The increased migration to “on demand” customer orders and the need for shorter lead times, has resulted in smaller product manufacturing runs and the requirement to change materials and tooling more frequently. This has inevitably introduced inefficiencies such as increased resources, downtime, material wastage, and equipment wear. In order to maintain profitability and service levels, companies need to make these frequent changes as quick, efficient and effective as possible.



BENVIC purge benefits

Reduce the damage caused to machines, i.e. screws/barrels and dies/tools by manual cleaning/dismantling equipment.

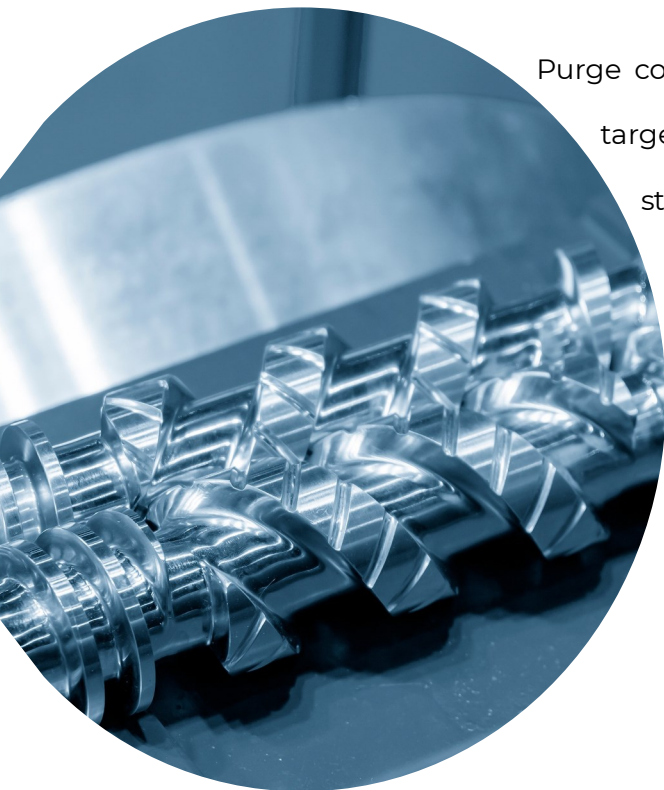
Reduce down time between material changes, particularly colour changes

Reduce waste of “prime” material during changes







Reduce material wastage due to contamination from material residues or decompositions

Reduce overall costs

Purge compounds are based on various formulations depending targeted functions properties. Our solutions uses innovative stabiliser technology providing elevated temperature resistance and enhanced cleaning action. The extensive range of rigid and flexible compounds is targeted for use across a wide range of processes including recycling.



Targeted processes

- Extrusion- General purpose 
- Windows profile extrusion 
- Pipe extrusion 
- Injection moulding 
- Bottle blow moulding 
- Record pressing 

Main functions










Purge For removing material and residues from screws, barrels and tools when changing colour and/or material plus process start-ups shutdowns.

Scrubber A purge compound with a unique and enhanced cleaning action providing the benefit of a deeper clean on screws, barrels and tools. This can eliminate the need for complete equipment dismantling following increased levels of degradation.

Hot runner Specific formulation for injection molding where tools equipped with hot runner systems require in process cleaning.




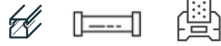








Soft PVC purge

	Main features	Targeted process	Certification	Country of origin	Presentation
FLEXIPURGE HF	Purging & sleeper Highly filled	  		UK	Pellets
FLEXIPURGE LF	Purging & sleeper Slightly filled	  		UK	Pellets
FLEXIPURGE X	Purging & sleeper Crystal	  		UK	Pellets



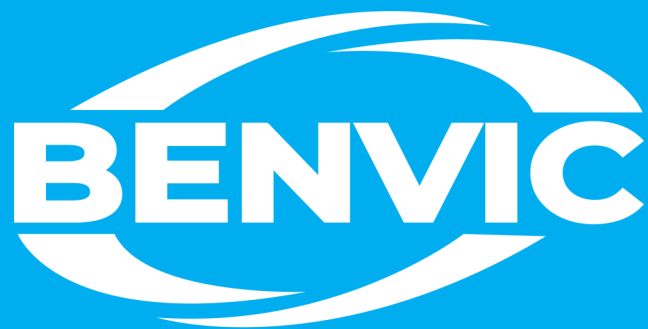
Rigid PVC purge

	Main features	Targeted process	Certification	Country of origin	Presentation
ER690	Purging			IT	Pellets
ER778	Purging			SP	Pellets
EB779	Purging			SP	Pellets
MS3KW	Purging			PL	Pellets
CRF0000/101 CRF0000/101S	Purging Purging & sleeper			UK	Pellets
CRF0000/121 CRF0000/121S	Purging Purging & sleeper			UK	Pellets
CRF0000/122 CRF0000/122S	Purging Purging & sleeper			UK	Pellets
CRF0000/160	Purging			UK	Pellets
DUCAPURGE 901	Scrubber			UK	Pellets
DUCAPURGE HR	Hot runners			UK	Pellets

Support

As leading specialist of PVC compounding, BENVIC supports its customers during the whole production process, from design to manufacturing to after-sales services. For any support, please contact your closest BENVIC sales representative or consult our website at benvic.com.

Technical data sheets, processing recommendations and other supporting data are available upon demand. The information given here above is general commercial information, cannot be considered as a specification and can change without prior notice. Benvic also supports customers through continuous adaptation of its products: please contact your nearest sales representative for technical support.



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BY GREEN ENERGY