



Redesigning plastics. For good.

Fluid management  
PVC compounds

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ProVinyl

Reliability is a  
must for  
leakage free  
components

PVC is one of the key materials used for building fluid transportation networks. Its cost, insensitivity to corrosion, compatibility with food contact and capability to manage different types of fluids (from air and water up to specific liquids used in the food and agriculture industries) are highly sought-after properties that make it irreplaceable.

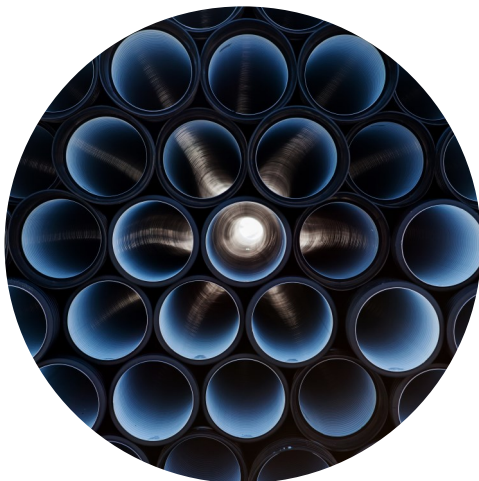
Depending on usage, PVC need to be adapted to final use to make sure that ideal conditions for a long servicing life are met.

With ProVinyl, BENVIC, ensures reliability for pressure and non-pressure water distribution systems, guaranteed by the proper certifications. It offers a wide variety of grades covering various liquids and temperatures whether for rigid or soft conducts.

Fluid management inside construction is also a major task and must be done differently depending on location and exposure to sun. BENVIC provides the best solution in all cases.

#### Pressure and no pressure fittings

to connect different types and accessories



**Corrugated pipe elements**, soft and rigid

**Rigid and soft tubing** for draining  
air, water or other fluids



**Rain water drains** resistant to solar exposure with various finishes



**Durability** Materials for water distribution networks must ensure resistance against pressure for several decades. BENVIC had developed superior stress cracking resistant solutions—some of which are approved under the MRS25 standard, a perfect proof of compliance.

BENVIC products also meet the EN 1329 or EN 607 standards for discharge water or rain drains, enabling us to cater to customers with the highest expectations in terms of durability.

BENVIC is capitalising on years of experience regarding long-term material aging and the best ways to compensate for it: this offers a clear advantage for creating rugged materials fit for decades of service.

**Aspects and colors** Depending on the application, BENVIC offers modulation of aspects and colors to enable proper identification of fluids or to match appearance requests, especially for rain water drain elements.


**Dimensional stability** Rigid tubes, including rain drain elements, are generally exposed to high temperature liquids or to sun rays. Dimensional stability is a key element of our product designs with high Vicat.

**Adaptation for liquids** Materials must be adapted to the liquids they are to carry, to make sure that their surface is insensitive and does not affect fluid properties. Food contact and resistance to hydrocarbons and oils are the major requirements.

**Adapted processability** Fittings are made with injection molding. Such parts can be designed in a significant form factor for which cavity filling is key. Specific versions with adapted MFR are specifically designed for this purpose.

ProVinyl  
contribution to  
the  
performance

# Key benefits

 **UV resistance** color resistance against ageing

 **Color on demand** existing color range

 **Stress cracking** resistance

 **Food contact** compliance

 **Shock resistance**

 **Fire resistance**
















 **Dimensional stability** against thermal stresses

 **Oil resistance**

 **Hydrocarbon resistance**



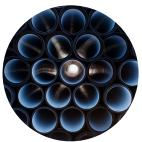
## Pressure fittings

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
<b>IA608</b>	Injection	High reliability Opaque and crystal	  	MRS25	IT	Pellets
<b>IA610</b>	Injection	Adapted for high diameter fittings High MFR	  		IT	Pellets
<b>ST/WCZ M43-0</b>	Injection	High gloss finish	  		PL	Pellets
<b>IR712</b>	Injection	High MFR	  		SP	Pellets
<b>IR745</b>	Injection	General purpose	  		SP	Pellets



## Non pressure fittings

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
<b>IR630</b>	Injection	General purpose Gloss finish			IT	Pellets
<b>IR635</b>	Injection	EN1329 compliant High Vicat		EN1329	IT	Pellets
<b>IR636</b>	Injection	Fire resistant M2 class	 		IT	Pellets
<b>IR708</b>	Injection	High Vicat			SP	Pellets
<b>CRT07/036</b>	Extrusion	Crystal			UK	Pellets



## Rigid pipes

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
<b>ET083</b>	Extrusion	Air ducting High vicat	 		FR	Pellets
<b>ET092</b>	Extrusion	Air ducting High vicat			FR	Pellets
<b>EP615</b>	Extrusion	Hydrocarbon & oil resistant	 		IT	Pellets
<b>ER748</b>	Extrusion	High resistance against pressure Bi-axially oriented			IT SP	Pellets Dryblend
<b>TLM/97UV-0</b>	Extrusion	Transparent	 		PL	Pellets
<b>ER565</b>	Extrusion	Air ducting			SP	Pellets
<b>PER712</b>	Extrusion	High pressure pipes Bi-axially oriented			SP	Premix
<b>ER748</b>	Extrusion	High pressure pipes Bi-axially oriented			SP	Pellets
<b>CRE13/058</b>	Extrusion	General purpose			UK	Pellets



## Soft tubes

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
<b>EP695</b>	Extrusion	General purpose Crystal clear			IT	Pellets
<b>GFM/4K-42</b>	Extrusion	Food use			PL	Pellets
<b>GFM/2-37TP</b>	Extrusion	Garden hose Transparent green			PL	Pellets



## Rain water drains

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
<b>ER030</b>	Co-extr.	General purpose			FR	Pellets
<b>ER166</b>	Co-extr.	High gloss finish		EN607	FR	Pellets
<b>ER207</b>	Co-extr.	Gloss finish			FR	Pellets
<b>ER449</b>	Co-extr.	Deep black color			FR	Pellets
<b>IR625</b>	Injection	Fitting use		EN607	IT	Pellets
<b>ER649</b>	Extrusion Co-extr.	Cost effective core element High vicat			IT	Pellets
<b>IR695</b>	Injection	Fitting use			IT	Pellets
<b>ST/WCZ M44-0</b>	Extrusion	High gloss finish			PL	Pellets
<b>CRM19F/008</b>	Injection	High vicat		BS EN 607	UK	Pellets



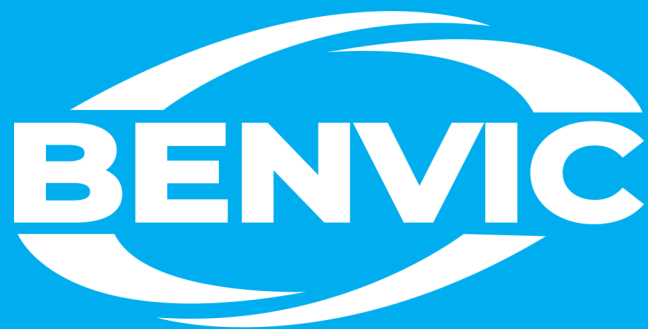
# Spiral hoses

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
<b>EH642</b>	Extrusion	High mechanical resistance Adapted for wide diameters			IT	Pellets
<b>EP695</b>	Extrusion	General purpose Crystal clear			IT	Pellets
<b>ST/P77 CZ-0</b>	Extrusion	Low density			PL	Pellets
<b>EP543</b>	Extrusion	Spiral hoses for swimming pools Chlorine resistant			SP	Pellets
<b>ER716</b>	Extrusion	Transparent			SP	Pellets
<b>ER724</b>	Extrusion Co-extr.	Rigid spiral element			SP	Pellets
<b>EP759</b>	Extrusion	Various hardness			SP	Pellets
<b>EP774</b>	Extrusion	Food liquids Transparent			SP	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](http://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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BENVIC IS POWERED  
BY GREEN ENERGY