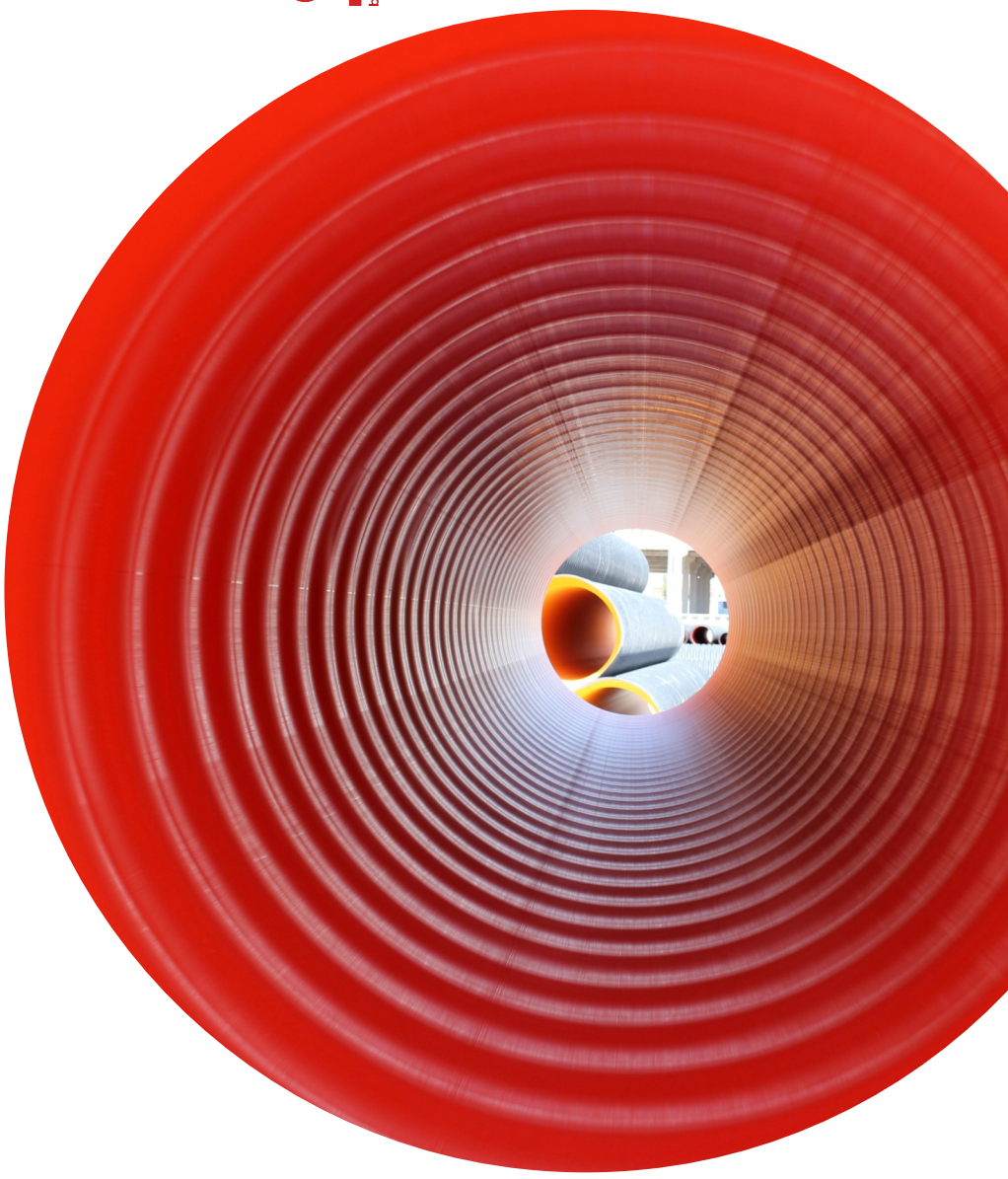
ProViny® by BENVIC



Fluid transport management

PVC compounds for pipes and fittings

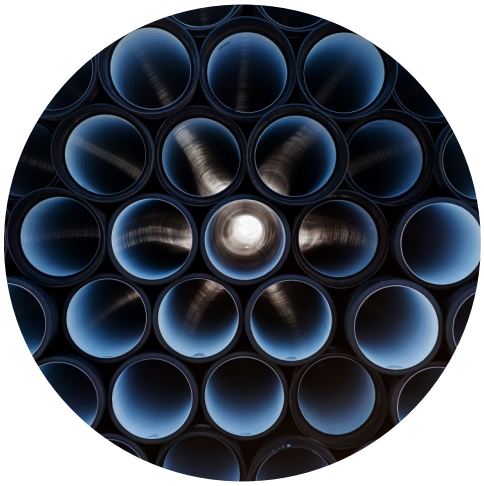
Reliabity is a must for leakage free components

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



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

Corrugated pipe elements, soft and rigid

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.

ProVinyl contribution to the performance

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.

Adapated 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.

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
IA608	Injection	High reliability Opaque and crystal		MRS25	IT	Pellets
IA610	Injection	Adapted for high diameter fittings High MFR			IT	Pellets
ST/WCZ M43-0	Injection	High gloss finish			PL	Pellets
IR712	Injection	High MFR			SP	Pellets
IR745	Injection	General purpose			SP	Pellets

Non pressure fittings

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

Rigid pipes

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

Soft tubes

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

Rain water drains

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

Spiral hoses

	Process	Main features or applications	Benefits	Certifications	Country of origin	Presentation
EH642	Extrusion	High mechanical resistance Adapted for wide diameters			IT	Pellets
EP695	Extrusion	General purpose Crystal clear			IT	Pellets
ST/P77CZ-0	Extrusion	Low density			PL	Pellets
EP543	Extrusion	Spiral hoses for swimming pools Chlorine resistant			SP	Pellets
ER716	Extrusion	Transparent			SP	Pellets
ER724	Extrusion Co-extr.	Rigid spiral element			SP	Pellets
EP759	Extrusion	Various hardness			SP	Pellets
EP774	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.

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