

Factsheet

DEKADUR G Transparent PVC-U pipes

Mission

DEKADUR G stands for transparent, high quality PVC-U pipes designed to reliably handle demanding media and visual inspection applications – offering robust, DIN-compliant performance up to 40 °C and full compatibility with the complete GF PVC system portfolio.

Added value

- Pressure design follows the U-PVC standard up to 40 °C
- Push fit capability and full system compatibility with the Georg Fischer U-PVC fitting portfolio (grey and transparent)
- Proven high chemical resistance of U-PVC¹
- Suitable for food contact and drinking water applications
- Option for special dimensions (e.g. according to ASTM) / custom manufacturing and application support tailored to individual customer requirements

Selected technical properties

- Manufacturing in accordance with the internationally accepted U-PVC pressure pipe standard DIN 8061/8062 provides a clear and reliable quality basis
- High transparency and excellent optical quality, even at large outside diameters
- Above-average UV stabilization / improved weathering resistance (however, permanent outdoor use under continuous direct sunlight is not recommended)
- Due to its high molecular weight and very high PVC content, as well as the absence of acrylic modifiers, this transparent U-PVC offers excellent chemical resistance

Typical applications

- Manufacturing of individual components through pipe machining and customization, including milling, thermoforming, drilling, turning and custom fabrication according to drawings, as well as module fabrication
- Containment pipe in double containment piping systems (CONTAIN-IT Plus) for visual leak detection or fail-safe protection (e.g. for the transport of ultra pure chemicals in the semiconductor industry)
- Transparent piping systems / gauge glass for visual inspection, process monitoring and display components in plant and chemical engineering
- Piping systems for photobioreactors used in microalgae cultivation for the food and feed industries (a transmission-optimized material grade for the relevant wavelength range is available for this application) as DEKADUR G "Algae"

Standards

- DIN 8061/8062 (U-PVC pressure pipe standard; manufactured in accordance with)
- Food contact: Declaration of conformity according to EU 10/2011 including Regulation 1935/2004 available on request
- Drinking water: DVGW-Cert certification according to ZP 1000 confirms conformity with KTW-BWGL for pipes with an outside diameter of up to 160 mm; additional dimensions available on request / as required

¹ Please consult us regarding the specific operating conditions of your application.

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[More information](#)



Disclaimer

The information and recommended values contained in this brochure reflect the current state of our knowledge and were compiled with the help of all available documentation. They can therefore be regarded as incorporating a high degree of reliability in practice, although they are not necessarily binding for all applications.

