

TECHNYL® SAFE

Food and water contact

Comprehensive range of water-certified and food contact compliant materials, based on PA6, PA66 & PA6.10.

Building a strong, reliable and smart urban environment from water distribution to water consumption.



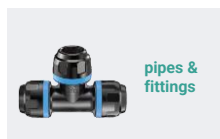
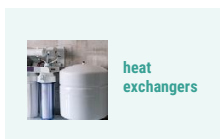
Sustainable development & human care



MAIN BENEFITS

- **Drinking water certification** (WRAS, KTW-BWGL, ACS, NFS 61) and food contact compliance (US FDA, EU).
- **Good Manufacturing Practices** ensuring reliable quality.
- **Good surface finishing** for optimal aesthetics and design freedom.
- **Outstanding resistance to different fluids**, including heated water thanks to hydrolysis and chlorine resistance.
- **Optimal durability** thanks to weldline strength and burst pressure resistance.
- **Optimal processing delivering productivity** and sustainability benefits.
- **Well-suited for the replacement of metals** and other high-temperature materials.

KEY APPLICATIONS



MARKETS



WATER DISTRIBUTION NETWORKS



HEATING & SANITARY



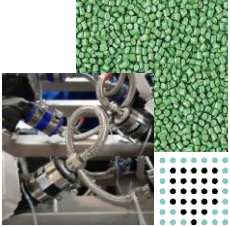
HOME APPLIANCES



BUILDING & CONSTRUCTION

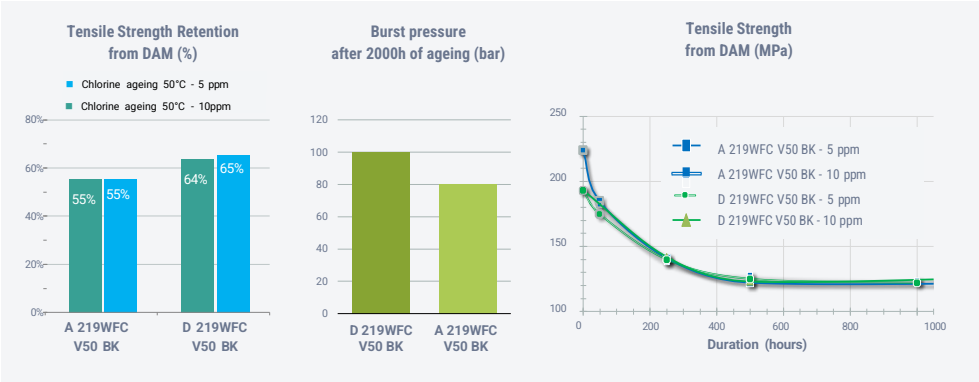
FULL EUROPEAN AND AMERICAN CERTIFICATIONS





PROOF POINTS

- **2 chlorine test benches** providing measurements on specimens and end-parts.
- **Detailed evaluation of degradation kinetics**, including assessing the combined effects of chlorine ageing and abrasion by the water flow.



- **Specifically formulated materials** to prevent further degradation even as chlorine content is increased (reference graph).
- **High burst pressure resistance** thanks to very high welding lines resistance (reference graph).

KEY PRODUCTS

PRODUCT	POLYMER	FILLER	KTW-BWGL		ACS		WRAS	NSF-61		DM 174
			23°C	60°C	23°C	85°C	23°C	60°C		
Technyl® Safe A 246WFC NC	PA66	Unfilled								💧
Technyl® Safe A 219WFC V30 BK	PA66	GF30	💧	⌚	💧	🔴	💧			
Technyl® Safe A 219WFC V30 NC	PA66	GF30	💧	⌚	💧	🔴	💧			
Technyl® Safe A 219WFC V50 BK	PA66	GF50	💧	⌚	💧	🔴	💧			
Technyl® Safe D 219WFC V30 BK	PA6.10	GF30	💧	⌚	💧	🔴			💧	
Technyl® Safe D 219WFC V40 BK*	PA6.10	GF40	⌚	⌚	⌚	🔴			💧	
Technyl® Safe D 219WFC V50 BK	PA6.10	GF50	💧	⌚	💧	🔴			💧	
Technyl® Safe C 216WFC V30 NC	PA6	GF30				🔴				
Technyl® Safe C 216WFC V30 BK	PA6	GF30				🔴				
Technyl® Safe C 216WFC V50 NC	PA6	GF50				🔴				
Technyl® Safe C 216WFC V50 BK	PA6	GF50				🔴				

*under development
Update: 09/2026

⌚ Approval in progress