

XYRON™

Modified-PPE for Water Management Applications

Contributing to Longer Product Life

Product Overview

To protect the safety of drinking water, regulations on materials in contact with water have become stricter.

The XYRON™ W series has acquired various drinking water certifications in Europe and the United States. In addition to low elution properties, the materials feature an excellent corrosion resistance and long-term properties, contributing to longer product life.

Application Fields

- Pump housings
- Valve Parts
- Boiler components



Benefits for Customers

- Weight reduction
- Corrosion resistance
- Low migration property

Further Information

Visit: <https://www.asahi-kasei-plastics.com/en/trend/water-supply-and-drainage/>

Properties of XYRON™ W Series

Item	Unit	Test Method	W5002 PPE+PS	WG722 PPE+PS- GF20	WG732 PPE+PS- GF30
Density	g/cm ³	ISO 1183	1.06	1.20	1.28
Water Absorption	%	ISO 62 (24hr, 23°C)	0.06	0.06	0.06
Yield Stress	MPa	ISO 527	63	121	140
Strain at Break	%	ISO 527	7.0	2.0	2.0
Flexural Modulus	MPa	ISO 178	2,600	6,900	8,900
Notched Charpy Impact Strength	kJ/m ²	ISO 179	20	12	12
DTUL (1.8 MPa)	°C	ISO 75	114	144	144
Acquired Certificates			KTW-BWGL (Germany), ACS (France), WRAS (UK) and NSF-61 (US)		

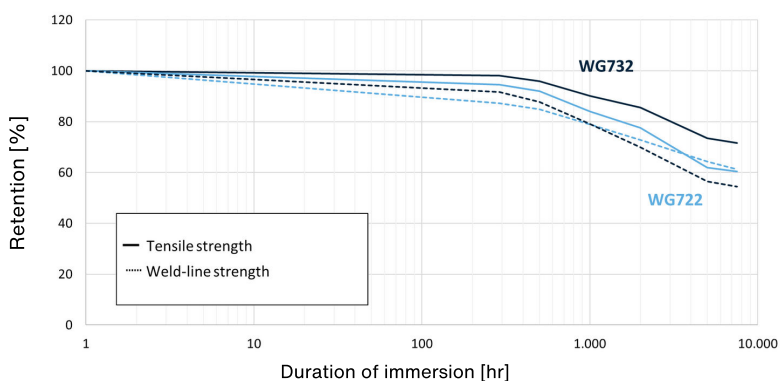


FIG. Hot Water Resistance at 90 deg.-C

