

Chemical resistance

ARPRO resistance to various chemicals has been assessed according to the following test method. Based on the results, four levels of performance have been defined.

Test method: 50mm cut cubes are fully immersed in a specific chemical agent at ambient temperature for 14 days. Only water was tested at high temperature. The cube's aspect and compressive strength modification are evaluated after the immersion process.

List of chemicals	Poor	Fair	Good	Very good
Automotive fluids - 22°C				
Gasoline	ARPRO 25g/l			
Gas-oil	ARPRO 50g/l			
Grease	ARPRO 25g/l			
Cooling liquid (glycol)	ARPRO 50g/l			
Brake fluid	ARPRO 25g/l			
Adblue®	ARPRO 50g/l			
Hydrocarbons - 22°C				
Kerosene	ARPRO 25g/l			
Aromatic: Toluene	ARPRO 50g/l			
Aliphatic: Pentane	ARPRO 25g/l			
Aliphatic: n-Heptane	ARPRO 50g/l			
Fully halogenated: Carbon tetrachloride	ARPRO 25g/l			
Partly halogenated: Dichloromethane	ARPRO 50g/l			
Vaseline oil	ARPRO 25g/l			
Ketones - 22°C				
Acetone	ARPRO 25g/l			
Methyl Ethyl Ketone (MEK)	ARPRO 50g/l			
Esters - 22°C				
Ethyl acetate	ARPRO 25g/l			
Alcohols - 22°C				
Ethanol	ARPRO 50g/l			
Alkalis - 22°C				
10% sodium hydroxide	ARPRO 25g/l			
5% ammonium chloride	ARPRO 50g/l			
10% cleanser (Extran® MA01)	ARPRO 25g/l			
Inorganic acids - 22°C				
10% Nitric acid	ARPRO 25g/l			
10% Sulfuric acid	ARPRO 50g/l			
10% Hydrochloric acid	ARPRO 25g/l			
Hot water - 80°C				
	ARPRO 50g/l			

ARPRO 25g/l
ARPRO 50g/l

- Poor = Will result in severe degradation – not recommended.
- Fair = Limited resistance, moderate degradation – suitable for short term use only.
- Good = Minor degradation may occur after long periods of exposure to chemicals.
- Very good = Withstands use over long period of time without change in physical or chemical properties and aspect.

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