

PRODUCT NAME: FILAMENT 3D PA12+CF15 1,75mm

Substance	Concentration	Temperature	Resistance	Remarks
Aliphatic hydrocarbons			resistant	
Aromatic hydrocarbons			resistant	
Benzene (C ₆ H ₆)			resistant	
Benzene (C ₆ H ₆)		80°C	resistant	
Brake fluids			resistant	
Brake fluids		120°C	resistant	
Brake fluids		150°C	limited resistance	
Cement			resistant	
Cooling liquid			resistant	
Fats, waxes			resistant	
Fuels: commons grades (regular gas, diesel etc.)			resistant	
Glycerine (C ₃ H ₅ (OH) ₃)			resistant	
Glycerine (C ₃ H ₅ (OH) ₃)		170°C	plastic dissolved by the chemical	
Glycols			resistant	
Grease: Motor oil, hydraulic oil, gear oil		≤130°C	resistant	
Hydraulic fluids		100°C	resistant	
Hydraulic oils		100°C	resistant	
Isopropanol ((CH ₃) ₂ CHOH)			resistant	
Isopropanol ((CH ₃) ₂ CHOH)		60°C	resistant	
Methanol (CH ₃ OH)			resistant	
Naphta			resistant	
Ozone (O ₃)			limited resistance	
Ozone (O ₃) (20 ppm in air)			limited resistance	
Paraffines			resistant	
Steam		100°C	limited resistance	
Water			resistant	
Road salt and solution			resistant	attack by zinc chloride possible
Zinc chloride (ZnCl ₂)			resistant	

Aqueous solutions	Concentration	Temperature	Resistance	Remarks
Acetic acid (CH ₃ COOH)	95%		not resistant	
Acetic acid (CH ₃ COOH)	10%		limited resistance	
Acetic acid (CH ₃ COOH)	5%		resistant	
Ammonia (NH ₃)	20%		resistant	
Ammonia (NH ₃)	20%	60°C	resistant	
Calcium chloride (CaCl ₂)	Sat.		resistant	
Calcium chloride (CaCl ₂)	Sat.	60°C	resistant	
Disinfectants (based on chlorine, alcohols, quaternary ammonium substances)	<10%		resistant	
Hydrochloric acid (HCl)	>20%		not resistant	
Hydrochloric acid (HCl)	2%		not resistant	
Hydrogen peroxide (H ₂ O ₂)	0,5%		resistant	
Hydrogen peroxide (H ₂ O ₂)	30%		not resistant	
Laundry detergents	<10%		resistant	
Laundry detergents	<10%	80°C	limited resistance	
Nitric acid (HNO ₃)	>50%		not resistant	
Nitric acid (HNO ₃)	2%		not resistant	
Ozone (O ₃)	1 ppm		resistant	
Phosphoric acid (H ₃ PO ₄)	85%		plastic dissolved by the chemical	
Phosphoric acid (H ₃ PO ₄)	10%		not resistant	
Sodium hydroxide (NaOH)	50%		limited resistance	may attack fibers in reinforced grades
Sodium hydroxide (NaOH)	10%		resistant	
Sodium hydroxide (NaOH)	10%	80°C	not resistant	
Sulfuric acid (H ₂ SO ₄)	>80%		plastic dissolved by the chemical	
Sulfuric acid (H ₂ SO ₄)	2%		not resistant	

The chemical resistance table is based on information from the raw material supplier. The data is for informational purposes only. To our knowledge, they are reliable. ROSA PLAST Sp. z o.o. makes no warranty as to their accuracy, suitability for specific applications or the results to be obtained from them. It is essential that users test our products to determine whether they are suitable for their intended use.

