CHEMICAL RESISTANCE SHEET

3D FILAMENT ROSA-Flex 96A
date of issue: 15.03.2021
date of update: 07.02.2025

PRODUCT NAME: FILAMENT 3D ROSA-Flex 96A 1,75mm

Substance	Temperature	Resistance	Remarks
Acetone (CH_3COCH_3)		average	material swells
Aniline ($C_6H_5NH_2$)		very poor	material swells
IRM oil 901		very good	
IRM oil 902		very good	
IRM oil 903		good	
Gasoline		good	material swells
Benzene (C_6H_6)		average	material swells
Butanol (C_4H_9OH)		good	
Cyclohexanol ($C_6H_{11}OH$)		average	material swells
Diesel oil		very good	material swells
Dimethylformamide (C_3H_7NO)		very poor	material swells
Ethyl acetate ($CH_3COOC_2H_5$)		poor	material swells
Ethanol (C_2H_5OH)		average	material swells
Diethyl ether ($C_2H_5OC_2H_5$)		very good	material swells
Isopropanol (C_3H_7OH)		average	material swells
Methanol (CH_3OH)		average	material swells
Methylene chloride (CH_2Cl_2)		poor	material swells
N-methyl pyrrolidone (C_5H_9NO)		very poor	material swells
Trichloroethylene (C_2HCl_3)		poor	material swells
Tetrahydrofuran (C_4H_8O)		very poor	material swells
Water	room temp.	very good	
Water	80°C	average	
Sea water		very good	

Aqueous solutions	Concentration	Resistance	Remarks
Potassium hydroxide (KOH)	1 mol/dm^3	good	
Acetic acid (CH_3COOH)	20%	very poor	
Sodium chloride (NaCl)	30%	very good	
Nitric acid (HNO_3)	20%	very poor	
Hydrochloric acid (HCl)	20%	poor	
Iron(III) chloride ($FeCl_3$)	5%	average	
Aluminum chloride ($AlCl_3$)	5%	very good	
Ammonia (NH_3)	10%	very good	

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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.

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