

Chemical Resistance Data


PC Blend HT LCF

Polycarbonate + Polybutylentereftalat +
long chopped carbon fibers.



add:north
3D - FILAMENT

Chemical Resistance Data
PC Blend HT LCF



= Good

= Fair

= Poor

Inorganic Acids

Hydrochloric Acid	10% Concentrate	60°C	<div></div>
Sulfuric Acid	35% Concentrate	60°C	<div></div>
Hydrofluoric Acid	10% Concentrate	60°C	<div></div>
Hydrofluoric Acid	50% Concentrate	60°C	<div></div>
Chromic Acid	10% Concentrate	60°C	<div></div>

Organic Acids

Acetic Acid	10% Concentrate	23°C	<div></div>
Citric Acid	10% Concentrate	23°C	<div></div>
Formic Acid	10% Concentrate	23°C	<div></div>
Tartaric Acid	10% Concentrate	23°C	<div></div>


Alkalies

Ammonia	10% Concentrate	60°C	<div></div>
Sodium Hydroxide	10% Concentrate	60°C	<div></div>
Pottasium Hydrooxide	10% Concentrate	60°C	<div></div>
Ammonium Hydrooxide	10% Concentrate	60°C	<div></div>

Alcohols

Butyl Alcohol		60°C	<div></div>
Methyl Alcohol		60°C	<div></div>
Ethanol	85% Concentrate	60°C	<div></div>
Ethylene Glycol		60°C	<div></div>
Isopropanol		60°C	<div></div>

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Keytones

Acetone		60°C	<div></div>
Cyclohexanone		60°C	<div></div>
Formaldehyde	37% Concentrate	60°C	<div></div>
Methyl Ethyl		60°C	<div></div>

Esters

Ethyl Acetate		60°C	<div></div>
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Ethers

Dioxane		60°C	<div></div>
Ethylene Oxide		60°C	<div></div>

Halogenated Organic Composites


Chloroform		23°C	<div></div>
Methylene Chloride		23°C	<div></div>
Carbon Tetrachloride		23°C	<div></div>

Hydrocarbons

Benzene		23°C	<div></div>
Gasoline (pure)		23°C	<div></div>
Cyclohexane		23°C	<div></div>
Heptane		23°C	<div></div>
Brake fluids		23°C	<div></div>
Skydrol		23°C	<div></div>

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Hydrocarbons

Diesel Fuel	100°C	<div></div>
Kerosene	23°C	<div></div>
Mineral Oil	100°C	<div></div>
Toluene	23°C	<div></div>
Xylene	23°C	<div></div>

Inorganic Chemicals

Sodium Bicarbonate	100°C	<div></div>
Bromine	10% Concentrate	100°C <div></div>
Sodium Chloride	100°C	<div></div>
Oxygen (low pressure)	60°C	<div></div>
Lodine (solution)	23°C	<div></div>
Sodium Hypochlorite	100°C	<div></div>
Ozone	<5 ppm	23°C <div></div>
Copper Sulfate	10% Concentrate	23°C <div></div>
Sulfur	23°C	<div></div>

Chemical Resistance Disclaimer

The chemical resistance of our filaments to various substances is contingent upon a range of exposure conditions, including but not limited to time, temperature, concentration, and other environmental factors. Ratings, including those indicating poor resistance, may signify either a complete loss of mechanical properties or an instance of swelling.

We strongly advise our customers to conduct their own rigorous testing specific to the intended application. Consider this document as a valuable guide, recognizing that results may exhibit variability based on unique applications, duration of exposure, and patterns of usage.

For further information or any queries regarding chemical compatibility, please do not hesitate to reach out to us at info@addnorth.com

