



The following list shows the resistance of Omnia Panel against various chemicals. The resistance correlates with the properties of the materials that make up the Omnia Panel.

S: Satisfactory      L: Limited      NS: Not Satisfactory      -: Unkown

Medium	Resistance		
	20	50	100
Temperature (°C)	20	50	100
Acetic acid <40%	S	S	-
Acetone	S	S	-
Ammonia (aqueous)	S	S	-
Benzene	L	NS	NS
Butane (gas)	S	-	-
Butyl acetate	L	NS	NS
Carbon Dioxide	S	S	-
Carbon disulphide	S	NS	NS
Carbon Tetrachloride	NS	NS	-
Chlorbenzene	L	NS	-
Chlorine aqueous	S	L	-
Chloroform	L	NS	NS
Chromic Acid 40%	S	NS	-
Citric Acid (1%)	S	S	-
Cottonseed Oil	S	S	-
Cresol	S	-	-
Cyclohexane	S	-	-
Cyclohexanone	L	NS	NS
Decalin	NS	NS	NS
Detergent Solution	S	S	-
Dichlormethane	L	NS	NS
Diesel / fuel oil	S	-	-
Diethyl ether	S	L	-
Dimethyl Formamide	S	S	-
Distilled Water	S	S	-
Dioxane	L	L	-
Ethyl acetate	L	NS	NS
Ethyl alcohol <95%	S	S	S
Ethyl chloride gas	NS	NS	NS
Ethyl ether	S	L	-
Ethylene Dichloride	S	NS	-
Ethylene glycol	S	S	S

Medium	Resistance		
	20	50	100
Temperature (°C)	20	50	100
Formic acid 10%	S	S	L
Heptane	NS	NS	-
Hexene	S	L	-
Hydrochloric acid <20%	S	S	S
Hydrochloric acid 20-30%	S	L	L
Hydrogen Peroxide Sol. <28%	S	S	-
Isooctane	S	S	-
Kerosene	S	NS	-
Methanol 5%	S	L	L
Methyl Alcohol	S	S	-
Mineral oil / grease	S	-	-
Nitric acid <30%	S	NS	NS
Nitric acid 40-50%	L	NS	NS
Oleic Acid	S	S	-
Oxygen	S	-	-
Pentane	L	-	-
Perchloric acid (2N) 20%	S	-	-
Petroleum ether	L	L	-
Phenol Solution (5%)	S	S	-
Sodium Carbonate sol. <20%	S	S	-
Sodium Chloride Sol. 10%	S	S	-
Sodium Hydroxide sol. <60%	S	S	-
Sulphuric acid <10%	S	S	S
Sulphuric acid 10-30%	S	S	-
Sulphuric acid <96%	S	L	NS
Tetralin	NS	NS	NS
Toluene	L	NS	NS
Transformer Oil	S	L	-
Trichloroethylene	NS	NS	NS
Turpentine	S	S	-
Water	S	S	S
Xylene	NS	NS	NS

This overview refers to the chemical resistance of the polypropylene surfaces. Surface coatings on the panel can alter the chemical resistance. The valuation is not binding and is based on bibliographical references and Omnia's own experiences. In every specific case the chemical resistance must be predefined and verified.

#### References:

[http://www.borealisgroup.com/pdf/chemical-resistance/chemtab\\_PP.pdf](http://www.borealisgroup.com/pdf/chemical-resistance/chemtab_PP.pdf)

<http://www.lyondellbasell.com/techlit/techlit/Tech%20Topics/General/Chemical%20Resistance.pdf>

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