

Chemical resistance

CHEMICAL AGENT	POLYAMIDE PA		POLYPROPYLENE PP		STAINLESS STEEL AISI 304		NICKEL PLATED BRASS		RUBBER NBR	
	Conc%	23° C	Conc%	23° C	Conc%	23° C	Conc%	23° C	Conc%	23° C
ACETIC ACID	10	-	40	+	20	+	/			-
ACETONE	100	+		+	50	+	+			-
AMMONIA	10	+	30	+	50	+	-			/
AMMONIA CONC.		+		+						-
ANILINE		/	100	+	3	+				-
BEER		+		+			+			+
BENZENE		+		+	70	/				-
BENZOL	100	+		/		+	+			-
BORIC ACID	10	+	sat.	+	100	/				+
BUTTER		+		+		+	+			+
BUTYRIC ACID		-	100	+	5	+				-
CALCIUM CHLORIDE	10	+	50	+	10	-	+			+
CARBON SULPHIDE	100	+		+		+				-
CARBON TETRACHLORIDE		+		-	10	-	+			-
CAUSTIC POTASSIUM	10	+			50	+				/
CAUSTIC SODA	10	+	52	+		+				/
CHLORINATED WATER		+		-		-				-
CHLOROFORM	100	-		/	100	+	+			-
CITRIC ACID	10	/	10	+	5	+	-			+
CUPRIC SULPHATE	10	+	sat.	+	5	+				+
DISTILLED WATER		+		+		+				+
ETHYL ALCOHOL	96	+	96	+	10	+	+			/
ETHYL CHLORIDE	100	+		-		+	/			-
ETHYL ETHER	100	+		+						-
FERRIC CHLORIDE	10	+		+	20	-				+
FOOD FATS		+		+		+				+
FOOD OILS		+		+		+				+
FORMALDEHYDE	30	+	40	+	100	+	+			-
FORMIC ACID	10	-	100	+	5	/	+			-
FREON 12		+				+				+
FRESH WATER		+		+		+	+			+
FRUIT JUICES		+		+		+				+
GLYCERINE		+		+		+				+
HYDROCHLORIC ACID	10	-	30	+		-	/	10	/	
HYDROCHLORIC ACID	2	-	2	+				2	/	
HYDROFLUORIC ACID	40	-	40	+		-		65	-	
HYDROGEN PEROXIDE	3	-	30	+	30	+	/	80	-	
IODINE		-		+						/
LACTIC ACID	10	+	20	+	5	+	-			+
MAGNESIUM CHLORIDE	10	+	Sat.	+	5	+				+
MERCURY		+	100	+	100	/	/			+
METHYL ALCOHOL	100	+		+	100	/	+			/
METHYLENE CHLORIDE	100	+		/		/				-
MILK		+		+		+	+			+
MINERAL OILS		+		+		+				+
NITRIC ACID	10	-		+	10	+		10	-	
OLEIC ACID	100	+		+	100	/	+			/
PARAFFIN		+	100	/		+				+
PETROLEUM		+	100	/		+	+			+
PETROLEUM ETHER		+		+		+	+			-
PHENOL		-		+	10	+				-
PHOSFORIC ACID	10	-	85	+	10	-	-	20	/	
POTASSIUM HYDROXIDE	10	+			50	+				/
SEA WATER		+		+		+	+			+
SILICONE OIL		+		+						+
SOAP SOLUTION		+		+		+				+
SODIUM CARBONATE	10	+	sat.	+	5	+				+
SODIUM CHLORIDE	10	+	sat.	+	5	+	+			+
SODIUM HYDROXIDE	10	+	30	+		-	+			/
SODIUM HYPOCHLORITE		+	20	+		-				-
SODIUM SILICATE		+			100	+				+
SODIUM SULPHATE	10	+	Sat.	+	5	+				+
SUDS		+		+						+
SULPHURIC ACID	10	-	98	+	10	-	+			-
TARTARIC ACID		+	10	+	10	+	-			+
TETRALINE		+		-						-
TINCTURE OF IODINE		-		+			-			/
TRANSFORMER OIL		+		/						+
TRICHLOROETHYLENE		/		/		+	+			-
TURPENTINE		/		-		+				-
VASELINE		+		+						+
VEGETABLE JUICES		+		+		+				+
VEGETABLE OILS		+		+		+				+
VINEGAR		+		+		+	+			/
WATER AND SOAP		+		+		+				+
WHISKY		+		+		+	+			+
WINE		+		+		+	+			+
XYLOL		+		-		+	/			-
ZINC CHLORIDE	10	/	20	+	10	-				+

Abbreviations: Sat. = Saturated

+ = Good resistance.

/ = Fairly good resistance (depending on working conditions)

- = Poor resistance (not recommended)

NB. Blank spaces means absence of valuation.

The data indicated in the schedule should be considered only indicative, as the materials behaviour in the real running conditions depends on different factors: temperature, chemical agent concentration, chemical agent action in short or continuous time.