GRUPO ELASTORSA
RUBBER SHEETS

RESISTENCIAS QUÍMICAS / CHEMICAL RESISTANCE

1 - Muy buena / Very Good
2 - Buena / Good
3 - Baja / Low
4 - Muy baja / Very Low

MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Acetaldehyde		23	3	4	4	1	-	1	4	-	4	3	1	4
Acetamide		100	4	3	3	1	-	1	2	1	2	2	2	2
Acetic acid	10	50	4	4	4	2	2	3	4	-	4	2	2	4
	50	50	4	4	4	3	3	4	3	-	4	3	1	4
	25	100	4	4	4	4	4	4	4	-	4	4	2	4
Acetic anhydride		23	1	2	2	2	-	2	4	4	1	1	3	4
Acetone		23	1	1	1	1	2	1	4	4	2	3	2	4
Acetophenone		23	3	4	4	1	-	1	4	4	4	4	-	4
Acetyl chloride			-	-	-	-	-	-	-	4	4	4	-	1
Acetylene			1	1	1	1	-	-	1	-	2	2	3	1
Acrylonitrile		50	4	4	4	4	-	3	4	4	3	3	-	4
Adipic acid		23	-	-	-	-	-	-	1	1	-	-	-	-
Air		70	1	-	1	1	-	1	1	1	1	1	1	1
		100	2	2	2	1	-	1	-	-	-	-	1	1
		150	4	-	3	1	-	2	3	-	3	3	1	1
		200	4	4	4	4	-	3	4	-	4	4	1	1
Allyl alcohol		23	-	-	-	2	-	-	1	-	3	1	-	-
Ammonia, anhydrous		23	1	-	-	1	-	1	1		1	3	3	4
Ammonia, gas		Cold	1	1	1	1	-	1	1	1	1	-	1	4
		Hot	3	3	3	3	-	2	3	4	1	-	1	4
Ammonia, liquid		23	2	-	1	2	-	1	1	2	1	4	4	4
Ammonium carbonate	Sat	70	1	1	1	1	-	1	4	4	2	2	2	-
Ammonium hydroxide	10	23	1	-	1	1	2	1	1	-	1	1	1	1
	Conc	23	1	1	1	1	1	1	2	-	1	1	1	1
Amyl acetate		23	2	-	4	2	-	2	4	4	4	4	4	4
Amyl alcohol (pentanol)		50	2	1	1	1	2	1	2	2	1	1	2	1
Amyl borate			4	4	4	4	-	4	1	1	1	-	-	-
Amyl chloronaphthalene			4	4	4	4	-	4	4	4	3	4	4	1
Amyl naphthalene			4	4	4	4	-	4	3	4	4	4	4	2

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Aniline		23	2	2	2	2	1	1	4	4	3	4	4	1
		100	4	-	4	2	-	1	4	-	4	4	4	3
Aniline hydrochloride			2	3	3	2	-	2	2	-	4	4	4	2
Animal oil (bone oil)		50	4	4	4	2	-	2	1	1	2	2	1	1
Ansul ether			4	4	4	3	-	3	3	3	4	4	3	4
Aqua regia		23	4	4	4	3	-	-	4	4	3	3	-	2
Arsenic acid			1	-	-	1	-	1	-	1	1	1	-	-
Asphalt		100	4	4	4	4	-	4	2	-	3	3	4	1
Barium hydroxide	Conc	100	1	1	1	1	-	-	1	1	1	1	1	-
Benzaldehyde		23	4	-	4	2	-	1	4	4	4	4	1	3
		100	4	-	4	4	-	1	4	-	4	4	1	3
Benzene		23	4	4	4	4	4	4	4	4	4	4	4	2
Benzenesulfonic acid			-	-	-	-	-	-	-	-	1	1	-	1
Benzoic acid		23	-	-	1	1	-	-	1	-	1	-	1	1
Benzyl alcohol		23	-	-	2	1	-	1	4	-	2	2	1	1
Benzyl benzoate			3	4	4	1	-	2	4	-	4	-	-	1
Benzyl chloride		23	3	3	3	2	-	4	4	-	4	4	-	1
Boric acid	10	100	1	1	1	1	-	1	1	1	1	1	2	1
Boron fuel (type of rocket fuel)			-	-	-	-	-	-	-	2	-	-	-	2
Brake fluid (vegetable oil type)		50	1	1	1	1	-	1	4	-	1	1	1	3
Bromine		23	4	4	4	4	-	-	4	-	4	3	4	1
Bromine trifluoride			4	4	4	4	-	4	4	4	4	4	4	4
Bromobenzene			4	4	4	4	-	4	4	4	4	4	4	1
Bunker oil			4	4	4	4	-	4	1	1	4	4	3	1
Butadiene		23	4	4	-	3	-	3	4	-	2	2	-	2
Butane liquid		23	4	4	4	4	4	4	1	1	2	2	4	1
Butanediol		23	-	-	-	1	-	1	4	-	1	2	-	1
Butanol		50	1	1	1	1	1	1	1	1	1	1	2	1
		100	4	4	4	1	1	-	1	-	3	2	4	3

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Butene			4	4	4	4	-	4	1	-	1	2	-	1
Butter (water-free)		100	4	4	4	4	4	3	1	1	3	3	1	1
Butyl acetate		23	4	4	4	3	-	2	4	-	4	4	4	4
Butyl acetyl ricinolate			3	4	4	1	-	1	3	2	4	2	-	1
Butyl acrylate		50	-	-	4	4	-	4	4	4	4	4	1	4
Butylamine		23	4	4	4	3	-	4	4	3	4	4	4	4
Butyl benzoate			-	-	-	1	-	1	-	-	4	4	-	1
Butyl carbitol		23	2	-	2	1	-	1	3	4	3	2	4	4
Butyl oleate			4	4	4	2	-	2	-	4	4	4	-	1
Butyl phenol		23	-	-	-	4	-	4	4	-	4	4	-	-
Butyl stearate		70	4	4	4	2	-	3	1	2	4	4	-	1
Butyl cellosolve			1	1	2	1	-	1	3	4	2	2	4	1
Butylene			4	4	4	4	-	4	2	-	3	3	-	1
Butyraldehyde			3	3	3	2	-	2	3	-	3	3	3	4
Butyric acid			-	-	-	2	-	2	4	-	2	2	-	2
Calcium hydroxide		100	1	1	1	1	-	-	2	1	1	1	3	1
Calcium hypochlorite	15		4	-	-	1	-	1	3	2	2	1	3	1
Carbitol			2	2	2	1	-	2	3	-	3	2	-	2
Carbon dioxide			1	1	1	1	-	1	1	1	1	1	1	1
Carbon disulfide		23	4	4	4	4	4	4	3	4	4	4	3	1
Carbon monoxide		Hot	2	2	2	1	-	1	1	1	1	1	1	1
Carbon tetrachloride		23	4	4	4	4	4	4	3	2	4	4	4	1
Castor oil		100	2	1	1	1	-	1	2	1	3	2	1	1
Cellosolve		23	3	3	3	1	-	2	3	4	1	-	-	3
Cellosolve acetate		23	3	3	3	1	-	1	4	4	4	4	-	4
Chloral hydrate	98	23	-	-	-	3	-	3	4	-	3	1	-	3
Chloric acid	20	23	-	-	-	1	-	1	4	-	4	1	-	1
Chlorine, gas			3	3	3	3	-	3	-	3	3	2	4	2
Chlorine dioxide			-	-	-	4	-	3	4	4	4	2	3	1

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Chlorine trifluoride			4	4	-	3	-	4	4	4	4	4	3	4
Chlorine water	Sat	23	4	-	4	4	-	4	4	3	4	3	3	1
Chlorodiphenyl		23	-	-	-	4	-	4	4	-	4	4	-	1
Chloroacetic acid		23	3	3	3	2	-	2	3	4	2	2	-	4
Chloroacetone			2	-	-	3	-	1	4	4	3	3	3	4
Chlorobenzene		23	4	4	4	4	-	4	4	4	4	4	4	1
		50	4	4	4	4	4	4	4	4	4	4	4	1
Chlorobromomethane		23	4	4	4	3	-	3	4	4	4	4	3	1
Chlorododecane			4	4	4	4	-	4	4	4	4	-	-	1
Chloroform		23	4	4	4	4	-	4	4	4	4	4	4	1
Chloronaphthalene		23	4	4	4	4	4	4	4	-	4	4	4	1
Chloronitroethane			4	4	4	4	-	-	4	-	4	4	-	3
Chloroprene		23	4	4	4	4	4	4	4	4	4	4	4	1
Chlorosulfonic acid	10	23	4	4	4	4	-	4	4	-	4	4	4	-
Chlorotoluene			4	4	4	4	-	4	4	4	4	4	4	1
Chromic acid	40	50	4	4	4	3	-	3	4	4	4	1	4	1
Citric acid	Sat	70	1	1	1	1	-	1	2	1	1	1	1	1
Coconut oil			4	4	4	2	-	2	1	1	2	3	1	1
Cod liver oil		23	4	4	4	2	-	2	1	1	2	2	1	1
Coke oven gas			2	2	2	1	-	4	2	4	2	2	1	1
Corn oil			4	4	4	2	-	2	1	1	3	3	3	1
Cottonseed oil		70	4	4	4	1	-	2	1	1	3	3	3	1
Cresylic acid		70	4	4	4	1	-	2	4	-	2	4	1	1
Creosote			4	4	4	4	-	4	2	1	3	3	4	1
Crotonaldehyde		23	-	-	-	1	-	1	1	-	1	1	-	1
Cumene			-	-	-	-	-	-	-	4	4	4	-	1
Cyclohexane		23	4	4	4	4	4	4	1	1	4	3	4	1
Cyclohexanol			2	4	4	3	-	4	3	1	1	1	-	1
Cyclohexanone		23	4	4	4	3	-	1	4	4	4	4	2	4

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p-Cymene			4	4	4	4	-	4	4	-	4	4	4	1
Decalin			4	4	4	-	-	-	-	-	4	4	-	1
Decane			4	4	4	4	-	-	2	1	4	4	2	1
Diacetone alcohol			4	4	2	1	-	1	4	4	2	1	4	4
Dibenzyl sebacate		23	-	-	-	2	-	2	-	4	4	-	3	2
Dibenzyl ether		23	4	4	4	1	-	2	4	4	4	4	-	4
Dibutylamine			4	4	4	4	-	4	4	-	4	4	3	4
Dibutyl ether		23	4	4	4	4	-	4	3	4	4	3	4	1
Dibutyl phthalate		23	4	4	4	2	-	1	4	4	4	4	2	2
Dibutyl sebacate			4	4	4	1	-	1	4	4	4	4	2	2
Dichlorobenzene		23	4	4	4	4	-	4	4	-	4	4	3	1
Dichloroethylene		23	-	-	4	4	-	-	4	-	4	-	4	2
Dichloroisopropyl ether			4	4	4	3	-	3	4	4	4	4	4	3
Dicyclohexylamine			4	4	4	4	-	4	2	3	4	4	-	4
Diester oil (liquid 101) b		100	4	4	4	4	4	4	1	1	4	4	2	1
Diethyl sebacate			4	-	-	2	-	2	4	3	4	4	1	2
Diethylamine		23	4	4	4	4	4	4	2	-	3	3	4	4
Diethylbenzene			4	4	4	4	-	4	4	-	4	4	4	1
Diethylene glycol		100	1	1	1	1	1	1	1	-	1	1	1	1
Diisobutylene			-	-	-	-	-	-	2	1	3	3	4	1
Diisobutyl ketone		23	-	-	-	2	-	2	4	-	4	4	-	4
Diisopropyl benzene			4	4	4	4	-	4	4	-	4	4	2	1
Di-isopropylketone			4	-	4	2	-	2	4	-	4	4	4	4
Dimethylamine		23	-	-	-	3	-	3	4	-	4	4	-	4
Dimethyl aniline		23	4	4	4	2	-	2	4	-	4	4	-	4
Dimethyl formamide		23	2	-	2	3	-	2	2	-	2	2	1	4
Dimethyl phthalate			4	4	4	2	-	2	4	4	4	4	-	2
Dinitrotoluene			4	4	4	4	-	4	4	4	4	4	3	3
Dioctyl phthalate		100	4	4	4	3	-	2	3	-	4	4	2	1

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Dioctyl sebacate		23	4	4	4	2	-	2	3	4	4	4	-	2
Dioxane		23	4	4	4	2	2	-	4	2	4	4	2	4
Dioxolane			3	4	4	3	-	2	4	4	4	4	-	4
Dipentene			4	4	4	4	-	4	2	2	4	4	-	1
Diphenyl		70	4	4	4	4	-	4	4	4	4	4	3	1
Diphenyl ether			4	4	4	4	-	1	4	4	4	4	2	1
Epichlorohydrin		50	4	4	4	3	-	2	4	4	4	4	-	4
Ethane			4	4	4	4	-	4	1	-	2	2	4	1
Ethanol		50	1	1	1	1	1	1	1	1	1	1	1	1
Ethanolamine (mono)		23	2	2	2	2	-	1	4	-	4	4	2	4
		70	2	1	1	1	-	1	1	3	2	3	2	4
Ether		23	4	4	4	3	3	3	2	4	4	3	4	4
Ethyl acetate		23	3	3	3	2	2	1	4	4	3	3	4	4
Ethyl acetoacetate			3	3	3	2	-	2	4	4	3	4	2	4
Ethyl acrylate		23	4	-	-	2	-	2	4	4	4	4	2	-
Ethyl benzoate			-	-	-	2	-	2	-	4	-	-	-	1
Ethyl benzene		23	4	4	4	4	-	4	4	4	4	4	4	1
Ethyl cellulose			1	1	1	2	-	-	1	-	1	-	3	4
Ethyl chloride			2	2	2	1	-	1	2	3	2	4	4	1
Ethyl chloroformate		23	4	4	4	2	-	-	4	4	3	3	4	1
Ethyl formate			4	4	4	2	-	2	4	4	2	2	-	1
Ethyl mercaptan			4	4	4	4	-	4	4	-	4	2	-	2
Ethyl oxalate			1	1	1	1	-	1	4	-	3	4	-	1
Ethyl pentachlorobenzene			4	4	4	4	-	4	3	-	4	4	2	1
Ethyl silicate			2	2	2	1	-	1	1	-	1	2	1	1
Ethylene			-	-	-	-	-	-	1	-	-	-	-	1
Ethylene chlorohydrin			3	3	3	1	-	-	4	4	1	2	-	1
Ethylene diamine			1	2	2	1	-	1	2	1	1	2	2	3
Ethylene dichloride		23	4	4	4	3	3	2	4	-	4	4	3	2

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Ethylene glycol		100	2	1	1	1	1	1	1	1	2	1	1	1
Ethylene oxide			-	-	-	3	-	3	4	-	4	4	3	4
Fluorine, liquid			-	-	-	3	-	3	-	-	4	-	4	2
Fluorobenzene			4	4	4	4	-	4	4	-	4	-	4	1
Fluoroboric acid			1	1	1	1	-	1	1	-	1	1	-	3
Fluorochloroethylene			-	-	-	3	-	-	4	-	-	-	-	-
Fluosilicic acid	50	23	1	-	-	3	-	2	3	1	2	1	-	3
Formaldehyde	40	23	1	1	1	1	-	-	1	2	1	1	1	1
	40	70	-	-	-	-	-	-	4	-	-	4	-	-
Formamide		23	-	-	-	1	-	1	1	-	1	-	-	3
Formic acid	Sat	23	3	-	2	1	-	2	3	-	2	2	2	3
	Sat	70	4	-	2	2	-	2	3	-	3	3	4	4
Freon 11		23	2	-	2	4	-	4	1	2	1	1	4	3
Freon 12		23	1	-	1	1	-	2	1	1	1	1	4	2
Freon 13 B1		23	1	1	1	1	-	1	1	-	1	1	4	2
Freon 21		23	4	-	4	3	-	3	4	-	3	4	-	3
Freon 22		23	1	-	1	1	-	1	3	-	1	1	-	-
Freon 31		23	2	2	2	1	-	1	4	-	1	2	-	4
Freon 32		23	1	1	1	1	-	1	1	-	1	1	-	3
Freon 112		23	4	-	4	4	-	4	2	2	3	2	-	1
Freon 113		23	3	2	2	3	-	3	1	1	1	1	4	2
Freon 114		23	1	1	-	1	-	1	1	1	1	1	3	2
Freon 114 B2		23	4	3	3	4	-	4	2	2	1	1	-	2
Freon 115		23	1	1	1	1	-	1	1	-	1	1	-	2
Freon 142b		23	2	1	1	1	-	1	1	2	1	1	-	4
Freon 152a		23	1	1	1	1	-	1	1	2	1	3	-	4
Freon 218		23	1	1	1	1	-	1	1	-	1	1	-	1
Freon C 316		23	1	1	1	1	-	1	1	-	1	1	-	-
Freon C 318		23	1	1	1	1	-	1	1	1	1	1	-	1

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Freon 502			1	1	1	-	-	-	2	-	1	-	-	2
Freon BF			4	4	4	4	-	-	2	2	2	2	-	-
Freon MF			4	2	2	4	-	-	1	2	3	4	-	-
Freon TA			1	1	1	1	-	1	1	-	1	1	1	3
Freon TC			4	2	2	1	-	2	1	-	1	1	1	1
Freon TF			3	2	2	4	-	4	4	1	4	4	4	4
Freon TMC			2	3	3	2	-	2	2	-	2	2	3	1
Freon T-P 35			1	1	1	1	-	1	1	-	1	1	1	1
Freon T-WD 602			3	2	2	1	-	2	2	-	2	2	4	1
Fuel B in accordance with ISO 1817		23	4	4	4	4	4	4	2	1	3	3	4	1
Fuel C in accordance with ISO 1817		23	4	4	4	4	4	4	2	2	4	4	4	1
Fumaric acid			1	1	1	3	-	-	1	1	2	2	2	1
Furan (furfuran)		23	4	4	4	3	-	3	4	4	4	4	-	-
Furfural		23	3	3	3	2	-	2	4	4	4	3	3	3
Furfural alcohol		23	-	-	-	3	-	3	4	4	3	-	-	4
Gallic acid			1	2	2	1	-	2	3	2	2	2	-	-
Gasohol 50:30:20		23	4	4	4	4	-	4	3	-	4	-	-	1
Gelatine		40	1	1	1	1	-	1	1	-	1	1	-	1
Glucose solution		80	1	1	1	1	-	1	1	1	1	1	1	1
Glycine	10	23	-	-	-	1	-	1	1	-	1	-	-	1
Glycerol		100	1	1	1	1	1	1	1	-	1	1	1	1
Glycolic acid	37	23	-	-	-	1	-	1	1	1	1	-	-	1
Hexachlorobutadiene		23	4	4	4	4	4	4	1	-	4	4	4	1
Hexaldehyde			4	4	4	1	-	1	4	-	1	3	1	4
Hexane		23	4	4	4	4	-	4	1	1	1	2	4	1
Hexanol		23	1	1	2	2	-	3	2	-	2	2	3	1
1-Hexene			4	4	4	4	-	4	2	2	2	2	4	1
Hydrazine solution		23	-	-	-	1	-	1	4	4	4	2	3	1
Hydrofluosilicic acid			1	-	3	1	-	2	3	1	2	1	4	2

RESISTENCIAS QUÍMICAS / CHEMICAL RESISTANCE

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Hydrobromic acid	37	23	1	2	2	1	-	1	4	4	1	1	4	1
Hydrochloric acid	10	100	4	-	3	2	-	4	3	-	1	1	4	1
	21	50	3	-	2	1	-	2	2	-	1	1	4	1
	37	23	2	2	2	1	-	1	3	-	2	1	4	1
Hydrocyanic acid	20		2	3	3	1	-	1	3	2	3	1	-	1
Hydrofluoric acid	48	23	3	3	3	1	-	1	3	-	1	1	4	1
	75	23	3	3	3	1	-	-	4	-	3	1	4	2
Hydrofluoric acid, anhydrous			-	-	-	1	-	3	4	-	1	-	4	2
Hydrogen			1	1	1	1	-	1	1	-	1	1	1	1
Hydrogen peroxide	30	23	1	-	1	1	-	1	1	-	1	1	1	1
	90		4	4	4	3	-	3	4	2	4	3	1	2
Hydrogen sulfide	Sat	23	4	4	1	1	-	1	4	-	2	2	3	1
Hydroquinone			2	2	2	-	-	-	3	4	-	-	-	4
Hypochlorous acid			2	2	2	2	-	3	4	4	3	2	-	2
Iodine pentafluoride			4	4	4	4	-	4	4	4	4	4	4	4
Iodoform			-	-	-	1	-	1	-	-	-	-	-	-
Isooctane (Fuel A, ISO 1817)		23	4	3	3	4	4	4	1	1	1	2	4	1
Isobutyl alcohol		23	1	1	1	1	-	1	2	2	1	1	1	1
Isophorone			-	-	-	1	-	1	4	4	-	-	-	4
Isopropyl alcohol (2-propanol)		40	1	2	2	1	-	1	2	2	1	1	1	1
Isopropyl acetate			3	4	4	2	-	2	4	4	4	4	-	4
Isopropyl chloride			4	4	4	4	-	4	4	4	4	-	3	1
Isopropyl ether		23	4	4	4	4	-	-	4	2	4	4	-	4
Kerosene		70	4	4	4	4	-	-	1	1	3	3	4	1
Lactic acid solution	10	70	1	1	1	1	-	1	1	-	1	1	1	1
Lard		70	4	4	4	2	3	3	1	1	2	3	3	1
Lead sulfamate, aq			2	2	2	1	-	1	2	-	2	2	3	1
Linoleic acid		70	-	-	-	4	-	4	2	2	4	4	1	2
Linseed oil		23	4	4	3	1	-	2	1	1	2	2	2	1

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Liquid oxygen			-	-	-	1	-	-	3	4	-	-	3	-
Liquified petroleum gas			4	4	4	4	-	4	1	1	2	2	3	1
Magnesium hydroxide			1	1	1	1	-	-	1	2	1	1	-	-
Maleic acid	Sat	23	2	2	2	3	-	3	2	4	3	4	-	1
Maleic anhydride			2	2	2	3	-	3	-	4	3	4	-	1
Malic acid			-	2	2	4	-	4	1	1	2	2	2	1
		125	4	4	4	2	2	2	4	-	4	4	4	4
Mercury			1	1	1	1	-	-	1	1	1	1	-	-
Mesityl oxide			4	4	4	2	-	2	4	4	4	4	4	4
Methane		23	4	4	4	4	-	4	1	1	3	3	4	1
Methanol		50	1	1	1	1	1	1	1	1	1	1	1	3
Methyl acetate		23	4	4	4	2	-	2	4	4	4	4	3	4
Methyl acrylate		23	4	4	4	2	-	2	4	-	4	4	4	4
Methylacrylic acid			4	4	4	2	-	2	-	-	2	-	-	2
Methylamine	32	23	-	-	-	1	-	1	4	-	1	1	-	1
Methyl bromide		23	-	-	-	4	-	4	4	2	4	2	-	2
Methyl butyl ketone			4	4	4	2	-	2	4		4	4	3	4
Methyl chloride			4	4	4	3	-	3	4	4	4	4	3	2
Methylcyclopentane			4	4	4	4	-	4	-	4	3	-	-	1
Methylene dichloride		23	4	4	4	3	4	3	4	-	4	4	4	2
Methyl ethyl ketone (MEK)		23	3	3	3	1	2	1	4	4	3	4	4	4
Methyl formate			3	3	3	2	-	2	4	4	2	2	2	3
Methyl glycol acetate		50	3	3	2	1	2	-	4	-	3	2	2	4
Methyl isobutyl ketone		23	4	4	4	2	-	2	4	4	4	4	3	4
Methyl methacrylate		23	4	4	4	3	-	3	4	4	3	4	3	4
Methyl oleate			4	4	4	2	-	2	4	4	4	-	-	1
Methyl salicylate			-	-	-	2	-	2	4	-	4	4	-	-
Milk		23	1	1	1	1	-	1	1	1	1	1	1	1
Monomethylaniline			4	4	4	-	-	-	4	4	4	4	2	-

RESISTENCIAS QUÍMICAS / CHEMICAL RESISTANCE

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Monovinylacetylene		-20	2	2	2	1	-	1	-	-	2	2	3	1
Morpholine		23	-	-	-	2	-	2	4	-	2	2	-	1
Mustard gas			3	-	-	1	-	3	-	-	3	1	1	1
Naphtha		23	4	4	4	4	-	4	1	2	4	4	4	1
Naphthalene		80	4	4	4	4	-	4	4	4	4	4	-	1
Naphthenic acid			4	4	4	4	-	4	2	-	-	-	-	1
Natural gas			3	3	3	4	-	4	1	1	1	1	3	1
Nitric acid (conc)	65	23	4	4	4	4	-	4	4	4	4	2	4	1
Nitric acid (diluted)	10	50	2	-	2	1	-	1	2	-	3	1	4	1
Nitric acid (fuming)	100	20	4	4	4	4	-	4	4	4	4	4	4	3
Nitrobenzene		50	4	4	4	1	2	1	4	4	4	4	4	3
Nitroethane			2	2	2	2	-	2	4	-	3	2	4	4
Nitromethane			2	2	1	1	-	2	4	4	2	3	4	4
1-Nitropropane		23	3	3	3	1	-	1	4	-	-	-	3	4
Nitrogen			1	1	1	1	-	1	1	-	1	1	1	1
Nitrogen tetroxide			4	4	4	3	-	3	4	4	4	4	3	4
Octachlorotoluene			4	4	4	4	-	4	4	-	4	4	4	1
Octadecane			4	4	4	4	-	4	1	2	2	2	4	1
n-Octane			4	4	4	4	-	4	-	-	-	-	4	4
Octanol			2	2	2	1	-	1	2	2	1	1	2	1
Oil 1 (ASTM No. 1, ISO 1817)		100	4	4	3	4	4	4	1	1	1	1	1	1
Oil 2 (IRM 902, ISO 1817)		100	4	4	4	4	4	4	1	1	2	3	1	1
Oil 3 (IRM 903, ISO 1817)		100	4	4	4	4	4	4	1	1	4	4	2	1
Oleic acid		23	4	-	4	4	-	3	1	1	4	3	1	1
Olive oil		50	4	4	3	2	2	3	1	1	2	2	1	1
Oxalic acid	25	70	1	-	1	1	-	1	3	2	2	1	3	1
Oxygen		23	1	1	1	1	-	1	1	-	1	1	1	1
Ozone (concn. 50 pphm) c		40	4	4	4	2	2	1	4	2	2	1	1	1
Palmitic acid		70	3	3	3	2	-	2	2	1	2	3	3	1

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Perchloric acid	70	23	2	-	-	1	-	1	4	4	3	2	4	1
Perchloroethylene		23	4	4	4	4	4	4	3	2	4	4	4	1
Phenol		100	4	-	4	2	-	2	4	4	4	4	2	1
Phenyl ethyl ether			4	4	4	4	-	4	4	4	4	4	3	4
Phenyl hydrazine		23	1	3	3	2	-	2	4	-	4	4	-	1
Phorone			4	4	4	2	-	2	4	4	4	4	-	4
Phosgene		23	-	-	-	1	-	1	2	-	1	1	-	1
Phosphate ester (Skydrol 500)		70	4	4	4	2	-	1	4	4	4	4	2	4
Phosphate ester (Skydrol 7000)		70	4	4	4	2	-	1	4	4	4	4	1	4
Phosphate ester (Pydraul F-9)		80	4	4	4	3	4	2	4	-	4	4	1	1
Phosphoric acid	60	50	2	-	1	1	-	1	3	-	2	1	1	1
Phosphorus trichloride			4	4	4	1	-	1	4	4	4	1	-	1
Phthalic acid	Sat	23	-	-	-	1	-	1	4	-	1	1	-	4
Picric acid	10	100	2	2	2	1	-	1	2	-	2	1	4	1
Pine oil		70	4	4	4	4	-	4	2	-	4	4	-	1
Pinene		70	4	4	4	4	-	4	2	2	4	3	4	1
Piperidine			4	4	4	4	-	4	4	-	4	4	-	4
Potassium permanganate	25	70	4	-	-	-	-	4	3	-	2	3	1	4
Propane liquid			4	4	4	4	-	4	1	1	2	3	3	1
Propanol		50	1	1	1	1	1	1	2	1	1	1	2	1
Propene (propylene)			4	4	4	4	-	4	3	4	4	4	-	1
Propene oxide			-	-	4	2	-	2	4	4	4	4	4	4
Propionic acid		23	-	-	-	1	-	1	4	-	4	-	-	-
Propyl acetate		23	4	4	4	2	-	2	4	4	4	4	3	4
Propylamine		23	4	4	4	3	3	3	4	-	4	4	4	4
Propyl nitrate		23	-	-	-	2	-	2	-	1	4	4	3	4
Pyridine		23	4	4	4	2	-	2	4	4	4	4	2	4
Pyrrole			3	3	3	4	-	3	4	-	4	4	2	4

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Rape seed oil		100	4	4	4	3	-	2	1	2	2	3	4	1
Salicylic acid			1	-	-	1	-	1	1	2	1	-	-	1
Salt and salt solution (non- oxidizing) d	Sat	70	1	1	1	1	-	1	1	1	1	1	1	1
Silicate esters			4	4	4	4	-	4	2	2	1	1	4	1
Silicone greases			-	-	-	1	-	1	1	1	2	2	3	1
Silicone oils		60	-	-	-	1	-	1	1	1	1	1	3	1
Soap solution			1	1	1	1	-	1	1	1	1	1	1	1
Sodium carbonate	20	100	1	1	1	1	-	1	1	1	1	1	1	1
Sodium hydrogen carbonate			1	1	1	1	-	1	1	-	1	1	1	1
Sodium hydroxide	10	100	1	1	1	1	1	1	1	2	1	1	4	4
	25	100	1	1	1	1	1	1	4	-	1	1	4	4
Sodium hypochlorite	10	50	2	-	2	1	-	1	3	2	3	1	2	1
Sodium peroxide			2	2	2	1	-	1	-	2	2	2	4	1
Soybean oil		23	4	4	3	3	-	3	1	1	2	2	1	1
Steam			3	3	3	1	-	1	1	-	2	2	4	2
Stearic acid		70	3	3	3	4	-	2	2	2	2	2	1	-
Styrene		23	4	4	4	4	-	4	4	4	4	4	3	1
Sucrose solution		80	1	1	1	1	-	1	1	2	1	1	-	-
Sulfur			4	4	4	1	-	1	4	4	1	1	1	1
Sulfur dichloride			4	4	4	4	-	-	3	-	3	2	-	1
Sulfur dioxide		23	3	3	3	1	-	1	3	4	3	3	3	1
Sulfur hexafluoride			-	1	1	1	-	1	1	2	1	2	1	1
Sulfuric acid	10	100	1	1	1	1	1	1	3	-	1	1	4	1
	20	23	1	1	1	1	-	-	1	-	1	1	4	1
	25	100	1	1	1	1	1	-	4	-	1	1	4	1
	50	100	1	1	1	1	1	-	4	-	1	1	4	1
	60	100	3	-	3	1	-	-	4	-	4	4	4	1
	75	100	4	4	4	4	4	3	4	-	4	4	4	1
	96	23	4	4	4	4	-	4	4	2	4	4	4	1

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MEDIO/MEDIUM	[%]	T (°C)	NR/IR	BR	SBR	IIR	BIIR/ CIIR	EPDM	NBR	HNBR	CR	CSM	MQ	FKM
Sulfurous acid	Sat	23	1	2	2	1	-	2	2	2	2	1	3	1
Sulfuryl chloride		23	-	-	-	2	-	2	4	-	2	1	-	1
Tannic acid			1	2	2	1	-	1	1	1	1	1	1	1
Tar, bituminous			4	4	4	4	-	4	2	2	3	3	3	1
Tartaric acid	10	100	1	1	1	1	-	2	1	1	1	1	1	1
Terpineol		23	4	4	4	3	-	3	1	2	4	4	-	1
Tetraethyl lead		23	-	-	-	4	-	4	-	2	2	4	-	1
Tetrabromomethane			4	4	4	4	-	4	4	4	-	-	-	1
Tetrabutyl titanate			2	2	2	2	-	1	1	2	1	-	-	1
Tetrachlorethane		23	-	-	4	4	-	-	4	4	4	-	3	1
Tetrahydrofuran		23	4	4	4	4	4	4	4	4	4	4	4	4
Tetralin		23	4	4	4	4	-	4	4	4	4	4	3	1
Thionyl chloride		23	4	4	4	4	-	4	-	-	4	4	-	2
Titanium tetrachloride			4	4	4	4	-	4	3	2	4	4	-	1
Toluene (Liquid E, ISO 1817)		23	4	4	4	4	4	4	4	4	4	4	4	2
Toluene diisocyanate		70	4	3	3	1	-	2	-	4	4	4	2	2
Transformer oil			4	4	4	4	-	4	1	1	2	3	2	1
Triacetin			2	3	3	1	-	1	2	2	2	2	-	4
Triaryl phosphate			4	4	4	1	-	1	4	4	3	3	3	1
Tributoxy ethyl phosphate			3	3	3	2	-	2	4	4	4	4	-	1
Tributyl mercaptan			4	4	4	4	-	4	4	-	4	4	-	1
Tributyl phosphate		100	3	3	3	3	-	1	4	4	4	4	3	4
Trichloroethane		23	4	4	4	3	-	4	4	4	4	4	3	1
Trichloroethylene		23	4	4	4	4	4	4	4	3	4	4	4	2
Trichloroacetic acid		23	3	2	-	2	-	2	4	2	4	4	-	3
Tricresyl phosphate		70	3	3	3	1	-	1	4	4	4	4	1	1
Triethanolamine		23	2	2	2	2	-	2	3	3	1	1	1	2
Triethylamine		23	4	4	4	4	4	4	1	-	3	3	4	2
Triethyl borane		70	-	-	-	-	-	3	-	-	4	4	-	1

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Trinitrotoluene			4	4	4	4	-	4	4	4	2	2	-	2
Trioctyl phosphate			4	4	4	1	-	1	4	-	4	4	3	2
Turpentine		23	4	4	4	4	-	4	1	1	4	4	3	1
Urea solution	30	23	-	-	-	1	-	1	1	-	1	1	-	1
Vegetable oils			4	4	4	2	-	2	1	1	2	2	2	1
Vinyl chloride			-	-	-	2	-	2	4	-	4	4	-	1
Water, deionized or distilled		23	1	1	1	1	2	1	2	1	2	2	2	1
		100	1	1	1	1	2	1	2	1	2	2	2	1
Xylene		23	4	4	4	-	-	4	4	4	4	4	4	2