RESISTENZA DELLA GOMMA AGLI AGENTI CHIMICI

					GOMMA DURA							GOMMA LEGGERA						PLASTICA	
Pos	Agente Chimico	Formula	Conc.	Temp.	NR 3101	NR 3103	NR 3104	NR 3115	NR 3201	NR 1207	CR 1301 4302	NR 1101 4102	NBR 1203	CSM 1701	IIR 1401	EPDM 1501	FPM 1601	PA	PVC
207	Cloruro di Mercurio	$HgCl_2$	ges.	RT	+	+	+	+	+	+	+	●	+	+	+	+	+		
				80°	○	○	-	-	○	-	-							+	+
208	Gas di combustione			RT	●	+	+	+	+	+	●	+	●	○	○	○	+		
				100°	+	+	○	○	-	-	+	-	○	-	○	○	+		
209	Olio di ricino			RT	+	+	○	○	○	-	-	-	●	○	○	○	+	+	-
				40°	○	○	-	-	-	-	-	-	+				+	+	-
210	Acido silico	C_5H_4OH COOH	ges	RT	+	+	+	+	+	+	+		+				+		
				80°	+	+	○	○	○	-	-		○				+		
211	Acido nitrico	HNO_3	5%	RT	+	+	○	○	+	-	+	○	+	+	+	+	+	-	○
				70°	-	-	-	-	-	-	-	-	-	+	+	+	+	-	○
			10%	RT	+	+	○	○	-	-	+	-	-	●	+	+	+	-	○
				50°	○	-	-	-	-	-	-	-	-	●	+	+	+	-	○
			30%	RT	○	○	-	-	-	-	-	-	-	●	+	+	+	-	○
				50°	-	-	-	-	-	-	-	-	-	●	○	○	○	-	-
212	Acido muriatico	HCl	10%	RT	+	+	+	+	+	+	+	●	+	+	+	+	+	-	+
				50°	+	+	+	+	+	+	+	●	+	+	+	+	+	-	○
				95°	+	+	○	○	-	-	-	-	-	○	●	●	+	-	-
			20%	RT	+	+	+	+	+	+	+	●	+	+	+	+	+	-	+
				50°	+	+	○	○	○	○	○	●	○	+	+	+	+	-	○
				95°	○	+	-	-	-	-	-	-	-	○	●	●	+	-	-
			30%	RT	+	+	+	+	+	+	+	●	○	+	+	+	+	-	+
				50°	+	+	○	○	○	○	○	●	-	+	+	+	+	-	○
			conc.	RT	+	+	○	○	+	-	+	○	-	+	●	●	+	-	+
				50°	○	+	-	-	-	-	○	-	-	+	●	●	+	-	○
213	Biossido di zolfo	SO_2	20%	RT	●	+	+	+	+	+	●	●	+	+	+	+	+	+	+
				50°	+	+	○	○	-	-	+	●	-				+	+	
214	Biossido di carbonio	CS_2	100%	RT	-	-	-	-	-	-	-	-	-	-	-	-	+	○	-
215	Acido solforico	H_2SO_4	25%	50°	●	+	+	+	+	+	●	○	+	+	●	●	+	+	+
				70°	+	+	+	+	+	+	+	-	-	●	+	+	+	○	+
				95°	+	○	○	-	-	-	+	-	-	●	+	+	+	-	+
			50%	50°	+	+	+	+	+	+	+	-	-	+	●	●	+	+	+
				70°	+	○	○	○	○	○	+	-	-	●	+	+	+	○	+
				95°	○	-	-	-	-	-	○	-	-	●	-	-	+	-	+
			60%	RT	+	+	+	+	+	-	+	○	-	●	+	+	+	-	+
				50°	+	○	○	-	-	-	+	-	-	●	+	+	+	-	+
				70°	○	-	-	-	-	-	○	-	-	●	○	○	+	-	+
			70%	RT	+	+	+	+	+	-	+	-	-	●	+	+	+	-	+
				50°	+	-	-	-	-	-	+	-	-	○	-	-	+	-	+
				70°	-	-	-	-	-	-	○	-	-	-	-	-	+	-	+
			80%	RT	-	-	-	-	-	-	+	-	-	●	-	-	+	-	+
				50°	-	-	-	-	-	-	-	-	-	○	-	-	+	-	-
216	Acido sulfureo	H_2SO_3	6%	RT	+	+	+	+	○	-	-	●	-	+	+	+	+		
217	Acido solfidrico - asciutto	H_2S		RT	+	+	○	○	○	○	○	○					+	○	+
218	Acido solfidrico	H_2S	ges	RT	+	+	-	-	+	+	+	●	○	+	+	+	+	○	+
219	Acqua di mare			50°	●	●	+	+	+	+	●	●	+	+	+	+	+	+	+
				70°	+	+	○	○	○	○	+	●	○	+	+	+	+	+	+
				110°	○	+	-	-	-	-	+	-	-	-	○	○	+	○	○
220	Soluzione saponosa			RT	+	●	+	+	+	+	●	●	+	+	+	+	+	+	+
				50°	+	+	+	+	○	○	+	●	+	+	●	●	+	+	+
				80°	○	+	○	○	-	-	+	-	-	-	●	●	+	+	+
221	Cloruro di argento	AgCl		RT	●	+	+	+	+	+	●	●	+	+	+	+	+	+	+
				80°	+	+	○	○	○	○	+	-	-	+	●	●	+	+	○
222	Nitrato di argento	$AgNO_3$	10%	RT	+	●	+	+	+	+	+	●	+	+	+	+	+	+	+
				60°	+	+	○	○	○	○	+	●	○	+	+	+	+	+	○
				95°	○	+	-	-	-	-	○	-	-	○	●	●	+	+	○
223	Silicone		100%	70°	+	+	+	+	+	+	+	+	○	○	-	-	+	+	-
				85°	○	+	-	-	○	-	○	-	-	-	-	-	+	+	-
224	Cloruro di silicio	$SiCl_4$	conc.	RT	+	+	○	○	+	○	-	-	-	○			+		
				40°	○	○	-	-	○	-	-								
225		$H_2SO_4$200mg/LCS_2 200mg/LH_2S	25%	RT	+	●	+	+	○	○	+	○	-	●	+	+	+		
				80°	○	+	-	-	-	-	○	-	-	●	+	+	+		
226		$H_{12}H_{35}COOH$	100%	RT	+	●	+	+	+	+	+	●	+	+	○	○	+		
				60°	○	+	○	○	+	-	-	-	●	○	-	-	+		
					-	○	-	-	-	-	-	-	-	-	-	-	+		

LIST OF RESISTANCES

The list of resistances has been compiled with utmost care. The results shall be considered as valid, but shall not release the user from additional careful examinations in the applied medium. It must be understood that any guarantee whatsoever cannot be given.
Please feel free to call upon us at an early stage of design so that we are able to advise and select the appropiate S-I-S rubber lining under conditions as near to pratical application as possible.

CODES FOR RESISTANCES IN THIS LIST

- ● resistant - use for economical and technical reasons;
- \+ resistant;
- ○ limited resistance;
- \- not resistant.

SYMBOLS FOR RUBBER - TYPES AND PLASTIC - TYPES

- **CR** Chloroprene-rubber (Baypren®, Neopren®)
- **CSM** Chlorsulphanylpolythelene (Hypalon®)
- **IIR** Isobutylene - Isoprene - rubber (Butyl®)
- **FPM** Fluorine elastomere (Viton®, Tecnoflon®)
- **NBR** Acrylnitrile - Butadien - Copolymere (Perbunan®)
- **NR** Polysoprene (natural rubber)
- **EPDM** Ethylene - Propylentepolymerisale (Dutral®)
- **PVC** Polyvinilchloride (Trovidur®)
- **PA** Polyamide (Rilsan®)

RESISTANCE TO RADIATION

Qualities 3101 (NR), 1203 (NBR), 1101 (NR), 1401 (IIR) may be applied up to an energy dosls of 10^6 rad