

Glovebox Glove Material Compatibility Guide

		Natural Rubber	Electro Static Dissipative Natural Rubber	Neoprene	Electro Static Dissipative Neoprene	Neoprene coated Viton	Hypalon	Butyl	Polyurethane	Polyurethane coated with Hypalon
MECHANICAL PROPERTIES	Tensile strength PSI	4038	3625	3190	2900	2610	3335	1740	8700	4350
	Tensile strength MPa	29	25	22	20	18	23	12	60	30
	Elongation at break %	930	750	1000	800	900	500	750	700	600
	Density	0.95	0.95	1.30	1.30	1.30	1.30	1.00	1.20	1.30
	Hardness durometer A	45	50	50	60	55	60	40	70	60
	Abrasion resistance	**	**	*	*	*	*	*	***	*
	Tear resistance	**	**						***	***
	Puncture resistance	**	**	*	*	*	*		***	***
	Flame resistance			***	**	***	***			
	Using limit low Temp. F	-76	-76	-22	-22	-4	-4	-58	-40	-4
	Using limit low Temp. C	-60	-60	-30	-30	-20	-20	-50	-40	-20
	Using limit high Temp. F	+212	+212	+266	+266	+266	+266	+284	+176	+176
	Using limit high Temp. C	+100	+100	+130	+130	+130	+130	+140	+80	+80
	Gas impermeability			**	**	***	**	***	**	**
Electrical insulation	***		**		**	**	***	**	**	
CHEMICAL PROPERTIES	Natural ageing			**	**	***	***	***	***	***
	U.V. Rays			**	**	***	***	***	**	***
	Ozone			*	**	***	***	**	**	***
	Concentrated oxidizing acids			*	*	***	**	***		**
	Concentrated reduced acids 50%	*	*	**	**	***	***	***		***
	Diluted acids	***	***	***	***	***	***	***		***
	Concentrated alkalis	**	**	*	**	**	**	***	**	**
	Dilutes alkalis and salt	***	***	**	**	***	***	***	**	***
	Oils			**	**	***	*	*	**	*
	Aliphatic solvents			**	**	***	**	*	***	**
	Aromatic solvents			*		***			*	
	Cetonic solvents	**	**	*	*		*	***		*

Legend

- * Usable in some conditions
- ** Recommended
- *** Highly recommended