

TABLE OF MATERIALS

ELASTOMERS

E= Excellent | VG= Very good | G= Good | S= Satisfactory | B= Bad | VB= Very Bad

	NR	IR	SBR	BR	IIR	EPDM	CR	NBR	AU/EU	TR	CSM	CM	CO/CM	ACM	EAM	PVMQ	FVMQ	FPM
SPECIFIC WEIGHT (natural rubber)	1.85	0.93	0.92	0.94	0.92	0.92	0.86	1.23	1.00	1.06	1.23-1.34	1.12-1.28	1.16-1.32	1.27-1.36	1.08-1.12	1.08-1.12	1.14-2.05	1.41-2.05
VULCANIZED RUBBER HARDNESS DEGREE (Shore A)	30-95	30-90	40-90	40-90	40-95	40-90	40-95	40-95	60-100+	40-80	40-95	60-90	40-90	40-95	40-95	40-85	55-80	55-95
TENSILE STRENGTH WITHOUT LOAD	G	E	VG	B	VB	G	B	VG	B	E	VB	G	S	B	VB	B	B	B
TENSILE STRENGTH WITH LOAD	G	E	VG	VG	S	G	G	VG	VG	E	S	VG	G	G	G	G	G	G
TEAR RESISTANCE	VG	VG	G	B	G	G	VG	G	E	S	B	B	S	G	G	VB	VB	B
ABRASION RESISTANCE	VG	VG	G	E	G	G	G	VG	E	B	VG	G	S	S	VG	VB	VB	B
RESISTANCE: COLD	E	E	G	E	VB	VG	VG	G	S	B	S	B	G	VB	S	E	G	S
RESISTANCE: HOT	E	E	G	E	VG	VG	VG	G	G	B	G	G	G	B	G	E	G	G
RESIDUAL DEFORMATION BY COMPRESSION: AT -40°	G	G	G	G	B	S	B	G	B	B	VB	VB	B	B	VB	G	G	VB
RESIDUAL DEFORMATION BY COMPRESSION: AT 23°C	VG	VG	G	G	S	G	G	VG	G	S	S	G	VG	G	B	VG	VG	S
RESIDUAL DEFORMATION BY COMPRESSION: AT 100°C	VB	VB	B	B	VG	VG	S	G	B	S	G	G	VG	B	E	E	E	G
HEAT RESISTANCE	S	S	G	G	G	VG	G	G	S	S	VG	VG	VG	VG	VG	E	E	E
COLD RESISTANCE	E	VG	VG	G	VG	VG	VG	G	G	S	S	S	G	G	S	S	E	E
RESISTANCE TO SUNLIGHT	S	S	G	G	VG	E	VG	G	E	E	E	E	E	E	E	E	E	E
RESISTANCE TO OZONE	B	B	B	B	VG	E	VG	B	E	E	E	E	E	E	E	E	E	E
RUST RESISTANCE	S	S	G	G	E	E	VG	G	E	E	E	E	E	E	E	E	E	E
WATER RESISTANCE	VG	E	G	G	VG	VG	S	G	B	S	VG	VG	G	S	S	E	E	E
RESISTANCE TO ALIPHATIC HYDROCARBONS	VB	VB	VB	VB	VB	B	S	VG	VG	E	S	G	E	VG	S	S	E	E
RESISTANCE TO AROMATIC HYDROCARBONS	VB	VB	VB	VB	VB	VB	B	G	G	VG	B	B	G	S	B	VB	E	E
RESISTANCE TO AROMATIC HYDROCARBONS	B	B	B	B	VG	G	G	VG	VG	E	G	G	E	G	G	VG	E	E
RESISTANCE TO ESTERS AND KETONES	G	G	G	G	G	G	VB	VB	VB	VG	VB	VB	VB	VB	B	B	B	B
GAS PERMEABILITY	S	S	S	S	E	S	VG	VG	VG	E	VG	E	E	VG	VG	VB	S	G
FLAME RESISTANCE	VB	VB	VB	VB	VB	VB	G	VB	VB	VB	G	G	G	VB	VB	S	E	E
ELECTRICAL INSULATION	E	E	VG	VG	VG	VG	S	B	S	S	G	G	G	B	G	VG	G	S
ADHESION TO METALS	E	E	E	VG	G	G	E	E	E	G	VG	S	S	VG	G	VG	S	G
ADHESION TO FABRICS	E	E	G	G	G	S	E	G	VG	G	G	B	S	G	G	E	G	G