



We supply dependability.

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ISO 9001:2008 Certified

## MATERIAL PHYSICAL PROPERTY TABLE

PHYSICAL PROPERTY  ASTM D-2000 Classification  APR MATERIAL CODE	MATERIAL					
	SBR - STYRENE - BUTADIENE - GRS	NATURAL RUBBER - ISOPRENE - POLYISOPRENE	EPDM - ETHYLENE PROPYLENE - EPR - EPT	NEOPRENE - CHLOROPRENE - CR	NBR - BUNA-N - BUNA-NITRILE - NITRILE	SILICONE
	AA, BA	AA	CA	BC, BE	BF, BG, BK	FC, FE, GE
	1	2	3	5	6	8
DUROMETER RANGE SHORE "A"	35 -90	20 - 95	35 - 90	20 - 90	20 - 90	20 - 90
LOW TEMP RANGE (F)	-75 to -55	-70 to -40	-75 to -40	-70 to -30	-70 to 0	-170 to -90
HIGH TEMP RANGE (F)	210 to 250	180 to 220	220 to 300	200 to 250	210 to 250	400 to 550
MAX TENSILE STRENGTH (PSI)	2000 - 2500	3500 - 4000	2500 - 3000	2500 - 3000	1000 - 3000	600 - 1500
MAX ELONGATION %	450 - 500	500 - 600	500 - 600	600 - 800	400 - 600	100 - 1000
IMPACT STRENGTH	EXC	EXC	GOOD	GOOD	FAIR	POOR - GOOD
ADHESION TO METAL	EXC	EXC	GOOD - EXC	EXC	EXC	GOOD - EXC
VIBRATION DAMPING	FAIR - GOOD	EXC	FAIR - GOOD	GOOD - EXC	FAIR - GOOD	FAIR - EXC
RESILIENCY	FAIR - EXC	EXC	GOOD	FAIR - GOOD	GOOD	GOOD - EXC
IMPERMEABILITY TO GAS	FAIR	GOOD	FAIR - GOOD	FAIR - GOOD	FAIR - EXC	POOR - FAIR
ABRASION	GOOD - EXC	GOOD - EXC	GOOD	GOOD - EXC	GOOD - EXC	POOR - GOOD
CHEMICAL/FUEL	POOR	POOR	FAIR - GOOD	GOOD	EXC	POOR
FLAME	POOR	POOR	POOR	GOOD - EXC	POOR	FAIR - EXC
FLEX CRACKING	GOOD - EXC	EXC	GOOD	GOOD	GOOD	POOR - GOOD
HEAT AGING	GOOD	FAIR - GOOD	GOOD - EXC	GOOD - EXC	GOOD	EXC
OIL	POOR	POOR	POOR	GOOD - EXC	EXC	FAIR - GOOD
OXIDATION	FAIR -EXC	GOOD	EXC	GOOD - EXC	GOOD	EXC
OZONE	POOR	POOR	GOOD - EXC	GOOD - EXC	FAIR - GOOD	EXC
STEAM	FAIR - GOOD	FAIR - GOOD	EXC	FAIR - GOOD	FAIR - GOOD	FAIR - GOOD
SUNLIGHT	POOR	POOR	EXC	GOOD - EXC	POOR - GOOD	EXC
TEARING	FAIR -EXC	GOOD - EXC	FAIR - GOOD	GOOD - EXC	GOOD - EXC	POOR - GOOD
WATER SWELL	EXC	FAIR	EXC	GOOD	EXC	GOOD - EXC
WEATHER AGING	FAIR - GOOD	POOR	EXC	FAIR - GOOD	FAIR - GOOD	EXC

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