

American Seal & Packing

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COMPOUND #	EE96255A	EE96260A	EE96275A	EE96290B	EE97359A	EE97376A	EE98178H	EE94475H	EE98476H	EE77475H	EE30678A
POLYMER TYPE	VITON A	VITON A	VITON A	VITON A	VITON B	VITON B	VITON GF	VITON GLT	VITON GFLT	VITON ETP	AFLAS
POLYMER CURING SYSTEM	BISPHENOL	BISPHENOL	BISPHENOL	BISPHENOL	BISPHENOL	BISPHENOL	PEROXIDE	PEROXIDE	PEROXIDE	PEROXIDE	PEROXIDE
POLYMER % FLUORINE	66%	66%	66%	66%	68.5%	68.5%	70.0%	64.0%	67.0%	67.0%	57.0%
COLOR	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK

TYPICAL PHYSICAL PROPERTIES

TYPICAL SHORE A DUROMETER	55	60	75	90	60	75	75	75	75	75	75
TYPICAL COMPRESSION SET RESISTANCE (%)	10	7.7	7	12.2	13	12.8	10.3	13	17	28	45

COMPOUND RELATIVE PERFORMANCE

CHEMICAL RESISTANCE OVERALL**	FAIR	FAIR	FAIR	FAIR	GOOD	GOOD	VERY GOOD	FAIR	VERY GOOD	EXCELLENT	GOOD
HEAT RESISTANCE	ALL COMPOUNDS HAVE OUTSTANDING THERMAL PROPERTIES										
BASE RESISTANCE	POOR	POOR	POOR	POOR	POOR	POOR	FAIR	GOOD	GOOD	EXCELLENT	EXCELLENT
LOW TEMPERATURE PROPERTIES	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT	VERY GOOD	FAIR	FAIR
COMPRESSION SET RESISTANCE	VERY GOOD	EXCELLENT	EXCELLENT	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	FAIR	POOR
RELATIVE COST	LOW	LOW	LOW	LOW	LOW	LOW	MEDIUM	HIGH	HIGH	VERY HIGH	MEDIUM

BASE POLYMER CHEMICAL RESISTANCE

ALIPHATIC HYDROCARBONS, PROCESS FLUIDS, CHEMICALS.	1	1	1	1	1	1	1	1	1	1	2
AROMATIC HYDROCARBONS (TOLUENE, ETC), PROCESS FLUIDS, CHEMICALS	2	2	2	2	1	1	1	2	1	1	N/R
AUTOMOTIVE AND AVIATION FUELS (PURE HYDROCARBONS-NO ALCOHOL)	1	1	1	1	1	1	1	1	1	1	3
AUTOMOTIVE FUELS CONTAINING LEGAL LEVELS 5-15% OF ALCOHOLS AND ETHERS (METHANOL, ETHANOL, MTBE, TAME)	2	2	2	2	1	1	1	2	1	1	2
AUTOMOTIVE/METHENOL FUEL BLENDS UP TO 100% METHANOL (FLEX FUELS)	NR	NR	NR	NR	2	2	1	NR	1	1	2
ENGINE LUBRICATING OIL (SE-SF GRADES)	2	2	2	2	1	1	1	1	1	1	1
ENGINE LUBRICATING OIL (SG-SH GRADES)	3	3	3	3	2	2	1	1	1	1	1
ACIDS (H2SO4, HNO3).	3	3	3	3	2	2	1	1	1	1	2
STRONG BASES, HIGH PH, CAUSTIC, AMINES	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
HOT WATER, STEAM	3	3	3	3	2	2	1	1	1	1	1
LOW MOLECULAR WEIGHT CARBONYLS 100% CONCENTRATION (MTBE, MEK, MIBK, ETC)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
HYDROGEN SULFIDE (H2S)	NR	NR	NR	NR	NR	NR	3	NR	3	3	1

CHEMICAL RESISTANCE RATING: 1 = EXCELLENT, Minimal volume swell 2 = GOOD, small volume swell 3 = FAIR, Moderate volume swell NR = NOT RECOMMENDED, Excessive Volume Swell or change in physicals

BASE POLYMER TEMPERATURE RESISTANCE

CONTINUOUS HIGH OPERATING TEMP (Celsius)	204°	204°	204°	204°	204°	204°	204°	204°	204°	204°	204°
TYPICAL TR-10 LOW TEMP (Celsius)	-17°	-17°	-17°	-17°	-14°	-14°	-5°	-31°	-24°	-10°	-7°

THE LOW TEMPERATURE COMPOUNDS IN SOME STATIC APPLICATION CAN BE USED AT TEMPERATURES BELOW THE RATED TR10 LOW TEMPERATURE.

Eagle Elastomer can also formulate a compound to meet your specific needs.

The information in this guide is intended for use by persons having technical skill, at their own discretion and risk. This guide is not a substitute for controlled part qualification testing.

ISSUED DATE: 07/01/09 ** OBSOLETE DATE: 12/31/10

American Seal & Packing 714-593-9780