

**NOT MEASUREMENT
SENSITIVE**

**MIL-HDBK-695D
22 November 1999
SUPERSEDING
MIL-HDBK-695C
27 March 1985**

**DEPARTMENT OF DEFENSE
HANDBOOK**



**RUBBER PRODUCTS:
RECOMMENDED SHELF LIFE**

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AMSC: N/A

FSC 9320

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TABLE I. Age resistance generally associated with products fabricated from various rubbers.

Type of Rubber	Common or Trade Name	ASTM D1418 Abbreviation	ASTM D2000 Abbreviation	MIL-STD-417 Designation
Up to 20 Years				
Silicone	Silicone	Q	FE	TA
Fluorosilicone	Silastic LS	FVMQ	FK	TA
Polysulfide	Thiokol	T	BK	SA
Fluorocarbons	Fluorel, Viton	FKM	HK	
Polyacrylate	Acrylic	ACM, ANM	DF, DH	TB
Perfluorocarbon	KALREZ	FFKM	-	-
5 to 10 Years				
¹ Butadiene/ acrylonitrile	Nitrile, NBR	NBR	BF, BG, CH	SB
Chlorosulfonated polyethylene	Hypalon	CSM	CE	-
Isobutylene/ Isoprene	Butyl	IIR	AA, BA	RS
Polychloroprene	Neoprene	CR	BC, BE	SC
Polyether Urethane	Urethane	EU	BG	
Polypropylene oxide	Propylene oxide	GPO	-	-
Ethylene/propylene diene	Ethylene propylene terpolymer	EPDM	BA, CA	-
Ethylene/propylene Epichlorohydrin homopolymer	Ethylene propylene copolymer Hydrin 100, Herclor H	EPM CO	BA, CA	
Epichlorohydrin ethylene oxide	Hydrin 200, Herclor C	ECO		
3 to 5 Years				
¹ Butadiene/ acrylonitrile	Nitrile, NBR	NBR	BF, BG, BK, CH	SB
Butadiene/styrene	SBR	SBR	AA, BA	RS
Cis-polybutadiene	Butadiene	BR	AA	RN
Cis 1, 4, poly-isoprene	Natural, pale crepe	NR	AA	RN
Cis 1, 4, poly-isoprene	Synthetic natural	IR	AA	RN
² Polyester urethane	Urethane	AU	-	-

¹See table II through VIII.

²Some polyester urethanes have very poor resistance to water and humidity.