

4 January 2019

Re: Shelf life for various rubbers

Dear Valued Customer:

Please use the following table as a reference for the shelf life of rubber parts supplied by Caplugs.

MIL-HDBK-695E


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

Type of Rubber <u>1/</u>	Common or Trade Name	ASTM D1418 ABBREVIATION
<b>20 Years Minimum</b>		
Silicone	Silicone	Q
Fluorosilicone	Silastic LS	FVMQ
Polysulfide	Thiokol	T
Fluorocarbons	Fluorel, Viton	FKM
Polyacrylate	Acrylic	ACM, ANM
Perfluorocarbon	KALREZ	FFKM
Isobutylene/Isoprene	Butyl	IIR
Ethylene/propylene/diene	Ethylene propylene diene terpolymer	EPDM
Ethylene propylene	Ethylene propylene copolymer	EPM
<b>15 Years Maximum</b>		
Butadiene/acrylonitrile	Nitrile, NBR	NBR
Chlorosulfonated		
Polyethylene	Hypalon	CSM
Polychloroprene	Neoprene	CR
<b>5 Years Maximum</b>		
Polyester urethane <u>2/</u>	Urethane	AU
Polyether urethane	Urethane	EU
<b>3 Years Maximum</b>		
Butadiene/styrene	SBR	SBR
Cis 1, 4, polyisoprene	Natural, pale crepe	NR
Cis 1, 4, polyisoprene	Synthetic natural	IR

1/ Table I lists types of rubber used in end items that are actively procured. See Table V for rubber types listed in previous revisions.

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

Best regards,



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Material Regulatory Specialist