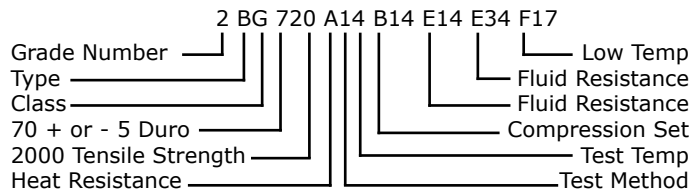


**SAMPLE ASTM D2000 CALL OUT FOR NITRILE:**



Suffix Letter	Test Required	Suffix Letter	Test Required
A.....	Heat Resistance	G.....	Tear Resistance
B.....	Compression Set	H.....	Flex Resistance
C.....	Ozone/Weather Resistance	J.....	Abrasion Resistance
D ...	Compress-Deflect Resistance	K.....	Adhesion
E.....	Fluid Resistance	L.....	Aqueous Fluid Resistance
F.....	Low Temp Resistance	M.....	Flammability Resistance

Suffix Letter	Test Required
N.....	Impact Resistance
P.....	Staining Resistance
R.....	Resilience
Z.....	Special Requirements

ASTM D1418	Common Name	Chemical Name	ASTM D735	ASTM D2000	Duro Range	Max. Serv. Temp Deg. F.	Min.Serv. Temp Stiff. Deg. F	Low Temp. Brittle Point	Comp Set	Oil Resist	Fuel Resist	Weather Resist	Ozone Resist	Water Resist	Abrasion	Tear
NBR	Nitrile, Buna N	Butadiene Acrylonitrile	SB, SA	BF, BG, BK	30-90	250	0 to -45	-65 to -85	B	A	B-A	C-B	C-D	A-B	A	B
CR	Neoprene*	Chloropren	SC	BC, BE	20-95	212	+10 to -50	-45 to -85	B-C	B	C	B-A	B	B	B-A	B
EPM, EPDM	EP Rubber	Ethylene Propylene	R	AA, BA, CA	30-90	300	-20 to -50	-90	B-A	NR	NR	A	A	A	B-A	C
SBR	SBR, Buna S	Styrene Butadiene	RS	AA, BA	40-90	225	0 to -50	-80	B	NR	NR	C-D	NR	B-A	A	C-B
CSM	Hypalon*	Chlorosulfonated Polyethylene	SC	CE	45-95	250	-30 to -50	-60 to -70	C-B	B	C	A	A	B	B-A	C-B
NR	Natural	Polyisoprene	RN	AA	20-90	212	-20 to -50	-80	A-B	NR	NR	C-D	NR	A	A	A
IR	Synthetic Rubber	Synthetic Polyisoprene	R	AA	40-90	212	-20 to -50	-80	A-C	NR	NR	C-D	NR	A	B-A	A-B
BR	Butadiene	Polybutadiene	RS	AA	40-90	212	-30 to -60	-100	B-C	NR	NR	C-D	NR	A	A	B
IIR	Butyl	Isobutylene Isoprene	R	AA, BA	30-90	250	-10 to -40	-80	C-B	NR	NR	A	A	A	C-B	B
CO, ECO	Epichlorohydrin Rubber	Epichlorohydrin Ethylene Oxide	SA	DK, DJ	40-90	300	-15 to -40	-10 to -50	A-C	A	A	B	B	B	B	C-A
FPM	Viton* Fluorocarbon	Fluorinated Hydrocarbon	TB	HK	60-90	600	+10 to -30	-60 to -85	B-A	A	A	A	A	A	C-B	D-B
PSI, PVSI, SI, VSI	Silicone	Polysiloxane	TA	FC, FE, GE	30-90	550	-60 to -180	-90 to -180	B-A	C	C	A	A	A-B	D-B	D-B
ACM, ANM	Acrylic	Polyacrylate	TB	DF, DH	40-90	300 to 400	+35 to +10	-10 to -20	C-B	A	C	A	B	D-C	C-B	D-C

\* = Trade names note: Ratings apply to general classes of basepolymers; particular properties can be improved by compounding.

**A = Excellent B = Good C = Fair  
D = Poor NR = Not Recommended**



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