

ASTM MATERIAL DESIGNATION

For a given line call out,

M **3** **AA** **615** **A13** **B13** **C12** **E014** **F3** **Z1**

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 a b c d e f g h

- a— Prefix "M" indicates SI units
- b— Grade Classification
- c— Type
- d— Class
- e— Durometer
- f— Tensile Strength
- g— Basic Requirements
- h— Suffix Letter

	<u>Basic Requirements (g)</u>	<u>Combination Type & Class</u>	<u>Polymer Usually Used</u>
A	Heat Resistance	AA	Natural Rubber, SBR, Butyl
B	Compression Set	AK	E P Polybutadiene, Polyisoprene,
C	Ozone or Weather Resistance		Polysulfides
D	Compression Deflection Resistance	BA	Ethylene Propylene, High Temp, SBR & Butyl
E	Fluid Resistance	BC	Chloroprene (Neoprene)
F	Low Temperature Resistance	BE	Chloroprene (Neoprene)
G	Tear Resistance	BF	NBR (Nitrile)
H	Flex Resistance	BG	NBR (Nitrile), Urethanes
J	Abrasion Resistance	BK	Polysulfides, NBR (Nitrile)
K	Adhesion	CA	Ethylene Propylene
L	Aqueous Fluid Resistance	CE	Chlorosulfenated Polyethylene
M	Flammability Resistance	CH	NBR Polymers, Epichlorohydrin
N	Impact Resistance	DA	Ethylene Propylene
P	Staining Resistance	DF	Polyacrylic (Butyl-Acrylate Type)
R	Resilience	DH	Polyacrylic Polymers
Z	Any Special Requirements Which Shall Be Specific in Detail	FC	Silicones (High Strength)
		FE	Silicones
		FK	Fluorinated Silicones
		GE	Silicones
		HK	Fluorinated Elastomers