

# GENERAL PROPERTIES OF ELASTOMERS

Hereafter is a table that will guide you in the choice of a polymer and will introduce you to the world of rubber and its main characteristics.

See more at <http://it.wikipedia.org/wiki/Gomma>

Elastomeri	ASTM D1418 Designation	ASTM D2000/SAE J200 Type, Class	Max/Min Temp Limit °C	Tensile Strength	Elongation Maximum (%)	Hardness Range Shore A	Resilience Rebound	Compression Set	Abrasion Resistance	Tear Resistance	Weather Resistance	Ozone Resistance	Water Swell Resistance	Steam Resistance
<b>Gomma Butilica</b>	IIR	AA; BA	-45 a +120	B	800	30-90	D	C-B	C-B	B	B-A	B-A	A	B
<b>Gomma Cloroprene (Neoprene®)</b>	CR	BC; BE	-40 a +120	C	600	40-90	B-A	C-B	B-A	B	B-A	B-A	C-B	C
<b>Gomma Epicloridriniche</b>	CO; ECO	CH	-40 a +135	C	400	50-90	B	B	B	A	B-A	B	C-B	D
<b>Ethylene Acrylic (Vamac®)</b>	AEM	EE; EF; EG	-25 a +170	C	450	50-90	C	B	B	B	A	A	B	D
<b>Ethylene-Propylene</b>	EPM; EPDM	AA; BA; CA; DA	-40 a +135	B	600	40-95	B	C-B	B	C-B	A	A	A	A
<b>Fluorocarabon (Viton®)</b>	FKM	HK	-25 a +205	C	300	55-90	C-B	B	B	D-B	A	A	B	D
<b>Fluorosilicone</b>	FVMQ	FK	-60 a +205	D	600	40-80	B	B-A	P	D-C	A	A	A	D
<b>Gomma Naturale</b>	NR	AA	-50 a +70	A	700	40-90	A	B-A	A	A	D	D	A	D
<b>Gomma Nitrilica (buna-N)</b>	NBR	BF; BG; BK; CH	-40 a +120	C	600	40-90	B	B	B-A	B	D-C	D	B	D
<b>Gomma Nitrilica, Idrogenata</b>	HNBR	DH	-35 a +150	B	340	50-90		B-A	B-A	B	B	B	B	D
<b>Perfluoro Elastomero (Kalrez®)</b>	FFKM	KK	-25 a +315	C	120 a 190	65-90	B	C	B-A	C	A	A	B	A
<b>Gomma Poliacriato</b>	ACM	DF; DH	-30 a +150	C	600	40-90	C	B	C-B	A	A	P	D	D
<b>Gomme Polisolfuriche</b>	T	AK	-45 a +105	D	400	50-80	C	D	P	P	B-A	A	D	D
<b>Gomme Poliuretane</b>	AU; EU	BG	-35 a +80	B	500	40-90	B-A	D-B	A	A	B	B	D	D
<b>Silicone</b>	MQ; PMQ; VMQ; PVMQ	FC; FE GE	-65 a +205	D	800	005-80	C-B	B-A	D	D	A	A	A	D-C
<b>Styrene Butadiene</b>	SBR	AA; BA; EG	-45 a +100	B	600	40-90	D	B	D-B	C-B	B	B	A	D

A = Eccellente | B = Buono | C = Discreto | D = Scarso