AAG RUBBER QUALITIES
indicative guide

Qualities / properties	Natural rubber	Wear rubber	EPDM	Neoprene	Nitrile	Silicone	Polyurethane
Tensile strength							
Hardness (shore A)	20-90	40-90	30-90	10-95	20-95	10-85	10A-80D
Density	0,93	0,94	0,86	1,23	1,0	1,1-1,6	1,06
Tear strength	Good	Fair	Good	Good	Fair	Poor	Very good
Abrasion resistance	Very good	Good	Good	Very good	Good	Poor	Outstanding
Constant deformation	Good	Very good	Good	Fair	Good	Fair	Good
Returning Ability							
Cold	Very good	Good	Very good	Really good	Good	Very good	Poor
Heat	Very good	Good	Very good	Really good	Good	Very good	Good
Dialectric strength	Very good	Good	Very good	Really good	Poor	Good	Very good
Insulation properties	Good	Good	Good	Fair	Poor	Very good	Fair
Fire	Fair	Fair	Fair	Low	Fair	Fair	Fair
Resistance to solvents							
Aliphatic hydrocarbons	Poor	Poor	Poor	Good	Very good	Poor	Very good
Aromatic hydrocarbons	Poor	Poor	Poor	Fair	Good	Poor	Fair
Oxygen / Hydrogen	Good	Poor	Good	Poor	Poor	Fair	Poor
Thinner	Poor	Poor	Good	Poor	Fair	Poor	Poor
Swelling of oils	Poor	Poor	Poor	Good	Really good	Fair	Very good
Resilience							
Oil and gas	Poor	Poor	Poor	Good	Very good	Fair	Very good
Animal and vegetable oils	Poor	Poor	Good	Good	Very good	Fair	Very good
Water	Really good	Really good	Very good	Good	Fair	Good	Good
Oxygen	Good	Good	Very good	Very good	Good	Very good	Very good
Ozone	Fair	Fair	Very good	Very good	Fair	Very good	Outstanding
Light	Poor	Fair	Really good	Really good	Poor	Very good	Good
Aging by heat	Fair	Fair	Very good	Good	Really good	Outstanding	Fair
Flame resistance	Poor	Poor	Poor	Good	Poor	Fair	Fair
Heat	Good	Good	Very good	Very good	Very good	Very good	Good
Cold	Very good	Good	Very good	Good	Good	Very good	Very good
Temperatures	-55/+90	-50/+100	-50/+150	-40/+100	-40/+100	-60/+200	-25/+100
Special characteristics	Elasticity	Allround rubber	Allround rubber	Wind/weather Oil & gas	Oil	Heat resistant Foodgrade	Durable
ASTM D-2000 classification	AA	AA	DA	BC	BG	GE/FE	BG

* The above table is for guidance only