The most important types of rubber and their properties

Common Name	ASTM Name	General Properties
Butyl Rubber	IIR	excellent weather resistance
		low air and gas permeability
		good acid and caustic resistance
		good physical properties
		good heat and cold resistance
		no resistance to mineral-oil-derived liquids
Chorbutyl Rubber	CIIR	an interesting variant of butyl rubber from the chemical point of view
Chlorinated Polyethylene	CM\CPE	exellent resistance to ozone and weather
		medium resistance to oil and aromatic compounds
		excellent flame resistance
Ethylene Propylene Rubber	EPDM	excellent ozone ,chemical.and ageing properties
		very good steam resistance
		good cold and heat resistance -40°C to 150°C
		good resistance to brake fluid besed on glycol
Hydrogenated Nitrile Rubber	HNBR	good resistance to mineral oil-based fluids, vegetable and animal fats,aliphatic,hydrocarbons,diesel fuel,ozone,acid gas,diluted acids and caustics
		suitable for high temperatures
Chlorosulfonated Polyethylene	CSM	excellent weather,ozone,and acid resistance
		limited resistance to mineral-oil-derived liquids
Natural Rubber	NR	excellent physical properties
		high elasticity,flexibility
		very good abrasion resistance
		limited resistance to acids
		not resistant to oil
Polychloroprene	CR	excellent weather resistance
		flame-retardant
		medium oil resistance
		good physical properties
		good abrasion resistance
Acrylo-nitrile Rubber	NBR	excellent oil resistance
		limited resistance to aromatic compounds
		the resistance of fuel and flexibility to cold depends on ACN content
NVC	NBR/PVC	excellent oil and weather resistance forboth ining and cover
		not particularly resistant to cold
Acrylate Rubber	ACM	excellent oil tar resistance at high temperatures
Styrene-butadiene Rubber	SBR	good physical properties
		good abrasion resistance
		low resistance to mineral-oil-derived liquids
Silicone Rubber	MQ/MVQ	very good hot-air resistance-up to 250°C for short periods of time
		good low temperature behaviour,ozone and weather resistance
		limited oil resistance
		not resistant to petrol and acids
Fluorinated Rubber	FPM/FKM	excellent high-temperature resistance-up to 225°C and up to 250°C for short periods of time especially in fuel and oil
		very good chemical resistance