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GENERAL PROPERTIES FOR RUBBER COMPOUNDS

CHEMICAL/PHYSICAL	EXAMPLES	RUBBER TYPE						
		NBR	NBR/PVC	NEOPRENE	EPDM	HYPALON	NATURAL	SILICONE
Acids	Nitric , Sulphuric, Hydrochloric, Phosphoric, Acetic, Boric	fair	average	good	fair	v good	average	good
Alcohol	Methanol, Ethanol, Isopropyl	v good	v good	good	v good	good	v good	good
Aliphatic Hydrocarbons	Kerosene, Gasoline, Hexane, Naphtha, Mineral Spirits, Most Offset/ Letterpress printing Inks, Lubricants, Greases	v good	v good	average	poor	average	poor	fair
Aromatic Hydrocarbons	Toluene, Xylene, Toluol, Xylol	average	good	fair	fair	fair	poor	average
Caustics	Sodium Hydroxide, Calcium Hydroxide	average	average	good	v good	v good	average	good
Chlorinated Hydrocarbons	Methylene Chloride, Perchloreethylene	poor	poor	poor	poor	poor	poor	average
Esters	Ethyl Acetate, Dioctyl Phthalate	poor	poor	average	v good	average	v good	average
Glycols	Ethylene Glycol, Glycerine	v good	v good	good	v good	good	v good	good
Ketones	Ketone, Acetone	fair	poor	average	v good	average	v good	average
Water		good	good	average	v good	good	v good	good
Tensile strength		average	average	good	fair	average	good	poor
Modulus		average	good	good	average	good	average	average
Elongation at break		average	average	v good	average	average	v good	fair
Tear strength		average	average	good	fair	average	v good	poor
Cut resistance		average	average	good	fair	good	good	poor
Resistance to compression set		average	fair	average	average	average	average	v good
Resistance to permanent set		average	fair	good	average	average	good	good
Resilience		average	fair	good	average	average	v good	v good
Resistance to heat build-up		fair	poor	v good	fair	fair	v good	v good
Resistance to abrasion		average	good	good	average	good	v good	poor
Ozone resistance		poor	average	average	v good	v good	poor	v good
Dielectric strength		poor	fair	average	poor	v good	fair	v good