

TOWNLEY

Engineering & Manufacturing Co., Inc.

RUBBER PRODUCTS

RUBBER PROPERTIES

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ELASTOMER PROPERTIES*

CHEMICAL RESISTANCE	Natural Rubber	Neoprene	Chlorobutyl	SBR
	Acid (concentrated)	Fair	Good	Good
Acid (dilute)	Fair	Excellent	Excellent	Fair
Hydrocarbons (aliphatic)	Poor	Fair	Poor	Poor
Hydrocarbons (aromatic)	Poor	Fair	Poor	Poor
Hydrocarbons (oxygenated)	Fair	Poor	Good	Good
Oils (animal/vegetable)	Poor	Good	Very good	Poor
Oil & Gasoline	Poor	Good	Poor	Poor
Ozone	Poor	Very good	Excellent	Poor
Solvents, lacquer	Poor	Poor	Fair	Poor
Swelling (in oil)	Poor	Good	Poor	Poor
Swelling (in water)	Very good	Good	Very good	Good
UV (sunlight aging)	Poor	Very good	Very good	Poor
Water	Good	Fair	Good	Good
PHYSICAL RESISTANCE	Natural Rubber	Neoprene	Chlorobutyl	SBR
	Abrasion	Excellent	Excellent	Good
Cold	Excellent	Good	Good	Very good
Dynamic properties	Excellent	Fair	Fair	Good
Flame	Poor	Good	Poor	Poor
Heat	Good	Very good	Very good	Fair
Rebound (cold)	Excellent	Very good	Poor	Fair
Rebound (hot)	Excellent	Very good	Very good	Good
Compression (set)	Good	Fair	Fair	Good
Tear	Good	Good	Good	Fair
Tensile strength	Excellent	Good	Good	Good
Temperature resistance	Good	Very good	Very good	Good
ELECTRICAL PROPERTIES	Natural Rubber	Neoprene	Chlorobutyl	SBR
	Dielectric strength	Excellent	Good	Excellent
Electrical insulation	Good	Fair	Fair	Good

RATINGS

Poor	Fair	Very good
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* note: these are general industry accepted properties,