HUDSON RUBBER
INDUSTRIAL RUBBER SOLUTIONS SINCE 1959

RUBBER COMPOUND CHARACTERISTICS

	NATURAL RUBBER	EPDM	SBR	NEOPRENE CR	NITRILE NBR	SANTO-PRENE	SILICONE SI
HARDESS RANGE	30-95°	30-85°	40-95°	30-90°	40-100°	50-100°	40-80°
COLOURS	Full range	Limited Range	Full Range	Full Range	Limited Range	Full Range	Full Range
HEAT RESISTANCE (°C)							
Maximum continuous	75°C	130°C	85°C	130°C	100°C	110°C	205°C
Maximum intermittent	105°C	150°C	115°C	160°C	130°C	115°C	300°C
LOW TEMPERATURE RESISTANCE	-60°C	-50°C	-55°C	-40°C	-20°C	-40°C	-60°C
RESISTANCES							
Oxidation	Fair	Excellent	Fair	Very good	Good	Good	Excellent
Ozone & weathering	Poor	outstanding	poor	Very good	fair	good	Outstanding
OIL RESISTANCE	poor	fair	poor	excellent	excellent	excellent	Excellent
FUEL RESISTANCE	Unsatisfactory	Unsatisfactory	Unsatisfactory	Poor	Fair	poor	unsuitable
SOLVENT RESISTANCE							
Alcohol	Good	Good	Good	Good	Good	Good	Good
Acetone	Fair	Good	Fair	Fair	Unsatisfactory	Unsatisfactory	Fair
Benzene	unsatisfactory	unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory
CHEMICAL RESISTANCE							
Acids	Fair	Good	Fair	Good	Good	Good	Fair
Bases	Good	Fair	Good	Fair	Fair	Very Good	Fair
PHYSICAL STRENGTH	Excellent	Good	Good	Good	Good	Good	Poor
COMPRESSION SET	Good	Fair to Good	Good	Fair to Good	Good	Fair	Good
TEAR & ABRASION RESISTANCE	Excellent	Good	Good	Good	Good	Good	Poor
RESILIENCE	Excellent	Very Good	Good	Very Good	Good	Good	Good
PERMEABILITY TO GASES	Poor	Low	Fairly Low	Low	Low	Fairly Low	Fairly Low
ELECTRICAL STRENGTH	Excellent	Good	Excellent	Good	Poor	Excellent	Poor
FLAME RESISTANCE	Poor	Self-extinguishing	Poor	Self-extinguishing	Poor	Retardant Grades available	Good
WATER RESISTANCE	Very Good	Good	Good	Good	Good	Good	Good