

**Material Specification
Neoprene China**

MECHANICAL PROPERTIES	VALUE	UNIT
DENSITY:	1.5	g/cm ³
HARDNESS:	65+/-5	Shore A
TENSILE STRENGTH:	4	MPA
ELONGATION:	300	%
COLOR:	BLACK	
SURFACE:	SMOOTH	
METHOD OF CURING:	SULPHUR	
NEOPRENE RUBBER CONTENT IN TOTAL POLYMER:	20	%
COMPRESSION SET (22hrs at 70° C):	40	%Max
TEAR RESISTANCE:	18	kg/cm
ABRASION RESISTANCE (-60 0.5kg-601kg):	200	mm ³
TENSION SET:	10	%
OXYGEN INDEX	≥28	%
CHANGE IN HARDNESS	+5	SHORE A (Max)
HEAT AGING (70°C, 72h) CHANGE IN TENSILE	+10/-25	%Max
CHANGE IN ELONGATION	+10/-25	%Max

THERMAL PROPERTIES	VALUE	UNIT
GENERAL TEMPERATURE RANGE:	-20 to 80	°C
MINIMUM FOR CONTINUOUS USE (STATIC)	-15	°C
BRITTLE POINT:	-30	°C
MAXIMUM FOR CONTINUOUS USE (STATIC)	75	°C

THICKNESS	RESISTING KV
3MM	1 KV
5MM	5 KV
6MM	15 KV
8MM	20 KV
10MM	25 KV
12MM	30 KV
15MM	35 KV
20MM	45 KV
25MM	50 KV

