

PR606J

TECHNICAL DATA SHEET

Neoprene Rubber Sheet  
Fire retardant grade



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**Description:**

Neoprene is a solid rubber material with many excellent qualities, It has strong resistance to oils, chemicals, UV light, ozone and inclement weather. It is a strong and robust material that resists abrasion and has an effective temperature range of -40 °C to +120 °C

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**Health and Safety:**

Summary Information

**Toxicity:**

Non toxic, unlikely to be ingested

**Storage:**

Will not degrade or decompose, keep dry and below 30°C

**Handling:**

Use suitable handling equipment and safety shoes and gloves

**Disposal:**

Suitable for normal recycling and refuse

BASIS	CR/NBR
CELLULAR STRUCTURE	CLOSED
COLOUR	BLACK
DENSITY (ISO 845-88 - ASTM D 3575)	150 +/-25 kg/m <sup>3</sup>
THERMAL CONDUCTIVITY (samples 100 X 100 X 10)	0,0384 W/m.K
WATER ABSORPTION (ASTM D 1056)	2% < 5%
TEMPERATURE RANGE (ASTM D 1056 p.53-60)	- 40° C + 120° C
LINEAR SHRINKAGE AFTER 7 d. to 70°C (ASTM D 1204)	< 4% max < 5%
ULTIMATE ELONGATION - (ASTM D 412)	> 250 %
TENSILE STRENGTH - (ASTM D 412)	11,50 KG/cm <sup>2</sup> (1.150 kPa)
TEAR RESISTANCE - (ASTM D 624)	4,3 KG/cm (0,43 kN/m)
RESISTENCE	AIR+ U.V. - VERY GOOD
COMPRESSION STRENGTH - (ASTM 1056/85)	AL 25% - 0,40 KG/cm <sup>2</sup> (40 kPa)
IMMERSION ON OIL IRM 903 (22 hours at 70°C) ASTM D 1056/00	- 18,5% / CLASS B tab.1 (D 471/98)
SHORE HARDNESS 00 - (ASTM D 2240)	50 +/-5
FIRE RESISTANT (UL 94) (YELLOW CARD)	UL 94 - HF1 - from mm. 2 to 8 UL 94 - V0 - from mm. 10 to 40
UL 48 par.33 and UL 50 par.43	PASS
OXYGEN INDEX - (ASTM D 2863)	29,3 Lol Medium
NORM AFNOR NF F 16-101/88	GRID 5
FIRE REACTION	M2
SMOKE REACTION	F3
SMOKE INDEX	44
ASTM C 542:2005 - ASTM C 1166:2006	CONFORM (mm.74)
PEROXIDE CURE	NO SULPHUR

**Approvals:** UL94-VO fire retardant , self extinguishing

**Applications:**

Diaphragms, grommets, electrical insulation, vibration mounts, all typically used with power transformers, lap tops, CPUs, mobile phones and electronic cases.

**Thickness range:** 1.5mm to 40mm

**Available format:** Sheet, slit tape, die cut parts