

PR305B
(EN 45545-2)

TECHNICAL DATA SHEET
Neoprene Rubber Sheet
FR Mass Transit 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 -30 °C to +100 °C

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Disclaimer

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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
REFERRING STANDARD NORM ASTM D-1056	SCE 42-2C2 / SBE 42-2B2
CELLULAR STRUCTURE	CLOSED
COLOUR	BLACK
DENSITY (ISO 845-88 - ASTM D 3575)	160 +/-20 kg/m3
WATER ABSORPTION (ASTM D 1056)	2% <5%
TEMPERATURE RANGE (ASTM D 1056 p.53-60)	- 30° C + 100° C
LINEAR SHRINKAGE AFTER 7 d. to 70°C (ASTM D 1204)	< 4% max < 5%
ULTIMATE ELONGATION - (ASTM D 412)	> 120 %
TENSILE STRENGTH - (ASTM D 412)	8 KG/cmq (800 kPa)
TEAR RESISTANCE - (ASTM D 624)	6,4 KG/cm (0,64 kN/m)
RESISTENCE	AIR+ U.V. - VERY GOOD
COMPRESSION STRENGTH - (ASTM 1056/85)	At 25% - 0,45 KG/cmq (45 kPa)
COMPRESSION STRENGTH - (ASTM 1056/85)	At 50% - 1,35 KG/cmq (135 kPa)
COMPRESSION SET 22 h / 50% / 23°c	<25%
COMPRESSION SET 22 h / 40% / 23°c	<60%
NORM UNI CEI EN 45545-2:2013	HL1-HL2-HL3 FOR R22 AND R23
OXYGEN INDEX L.O.I. (ISO 4589-2)	32,2% PASS
UL 94 V0 - HF1 - HB	PASS (from mm.6)
SHORE HARDNESS 00 - (ASTM D 2240)	55 +/-5
PEROXIDE CURE	NO SULPHUR

Approvals : UL94-VO fire retardant , self-extinguishing

Approved to European Railway Norm – EN45545

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 10mm

Available format: Sheet, slit tape, die cut parts