

DATA SHEET

NATURAL RUBBER LATEX

It is a hydrocarbon of great importance that is obtained from latex, produced by several intertropical moráceas and euphorbiaceae, but only Hevea Brasilienses is commercially exploited). It arises as a milky emulsion (known as latex) in the sap of various plants, but it can also be produced synthetically.

Wide range of hardnesses, from 35 to 90 Shore A, excellent mechanical properties, breaking load, elongation, abrasion and tear, low set compression and high resilience, excellent dynamic and rebound properties, good resistance to acids, bases and salts, excellent electrical properties. Its use in contact with oils, fats or hydrocarbons is not advisable.



GENERAL PROPERTIES

- Excellent mechanical properties.
- Very good dynamic and rebound properties.
- Good resistance to acids, bases and salts.
- Excellent electrical properties.
- Not recommended for use in contact with oils, fats or hydrocarbons.

TECHNICAL DATA:

	SEMIFLOTANTE	ANTIABRASIVA	FLOTANTE	LÁTEX	LINATEX	R490	R397	TEST
DENSITY (g/cm ³)	1,16 ± 0,03	1,05 ± 0,03	0,95 ± 0,03	0,98 ± 0,03	0,96 ± 0,03	1,05 ± 0,05	0,95 ± 0,05	BS EN ISO 845
HARDNESS Shore A	45 ± 5	45 ± 5	37 ± 5	38 ± 5	38 ± 5	45 ± 5	35 ± 5	ASTM D2240
ELONGATION (%)	600	600	600	750	830	600	700	BS ISO 37
ABRASION 5N (mm ³)	90,0	80,0	70,0	80,0	80,0	80,0	60,0	EN ISO 4649
TENSILE STRENGTH (Mpa)	12,0	15,0	25,0	24,0	25,0	16,0	24,0	BS ISO 37
TEMPERATURE MIN (°C)	-25	-25	-30	-40	-40	-40	-40	
TEMPERATURE MAX (°C)	80	80	80	80	80	80	80	
TEAR STRENGTH (N/mm)	200	200	200	200	400	200	300	UNE ISO 34-1
COLOUR								

APLICACIONES

This material is mainly used in mining, quarrying, aggregate processes, shot blasting cabins, hopper protection, tile industries, draft galleries, food industry, scrapers and snow thrower belts.

