

MOLITAN®

range of products



FOAM MATERIALS DIVISION

MOLITAN® – PRODUCTION ASSORTMENT

The MOLITAN® range of products is made up of more than twenty different types of foams, depending on their use in various parts of upholstery suites to meet the demands for a level of comfort, or in other user segments.

PRODUCTION TECHNOLOGY

The following technology is used in the manufacturing process and in MOLITAN® foam processing:

- Manufacture of flexible polyurethane foam of ether and ester type on the continual line in the form of approx. 60 metre long blocks.
- Processing of raw blocks on modern horizontal and vertical cutting machines into blocks, boards, strips, cut parts and shaped components.
- Manufacture of PUR strips, thickness 2–7 mm on peeling machines.
- Manufacture of shaped components on computer-controlled cutting machines
- Manufacture of blocks and boards from rebonded PUR foam on discontinuous devices
- Manufacture of regular sticks from MOLITAN® foam on special cutting machines
- Other PUR foam processing by perforating, shaping, grinding-off, and sticking.

In the production we use the CFC-free foam processing technology. Polyurethane foam is supplied in form of blocks, boards, strips, cut and shaped parts and bonded products. PUR foam guarantees good deformation and hysteresis properties and is suitable as upholstery material to be used for furniture-making, automotive and consumer industry, as infilling and soundproof material and packaging material.

ECOLOGY

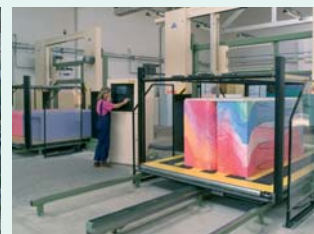
The Division pays much attention to health aspects and proper environmental attitudes. MOLITAN® and further products are manufactured from materials harmless to the health. This proposition is proved by health certificates as well as certificates by renowned testing institutes, which safeguard a minimum content of noxious substances in our products. The ÖKO-TEX STANDARD 100 Certificate for MOLITAN® foam complies with these strict criteria.

Scrap from MOLITAN® is processed in the manufacture of rebonded foam in an environment friendly way.

MARKET POSITION

By its market position, GUMOTEX, akciová společnost ranks among the most important polyurethane manufacturers in the Czech Republic. In order to support its own production and especially commercial activities, the Foam Materials Division has established a range of business centers and joint-ventures on the territory of the Czech Republic and in neighbouring countries.

In terms of its significance, Gumotex, akciová společnost goes beyond the territory of our republic and ranks among well-known European manufacturers of polyurethane foams. Gumotex, akciová společnost is a member of the European organization comprising important polyurethane manufacturers – EUROPUR, with its seat in Belgium.



Foam Materials Division is one of the manufacturing divisions in GUMOTEX, akciová společnost. It is an important supplier of a wide range of products used in particular in the upholstery sector. The Division's mainstay activity is the production of flexible polyurethane slabstock foam going under the trade name MOLITAN®.



BASIC RANGE OF PRODUCTS

MOLITAN®	Characteristics / Common usage	Type	Distinguishing colour	Volume density [kg/cu.m] brutto	Compression load deflection [kPa] (40 %) ČSN EN ISO 3386-1 DIN EN ISO 3386-1	Tensile strenght [kPa] ČSN EN ISO 1798	Elongation at break [%] ČSN EN ISO 1798	Compression set [%] (50 %, 23°C, 72 h) ČSN EN ISO 1856 DIN EN ISO 1856
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MOLITAN® – flexible polyurethane foam (basic range of products)

Polyether foams

Standard types MOLITAN® N	upholstered furniture	N 1820	white	18	2,0	120	250	5,0
	mattresses	N 2028	white	20	2,8	130	250	5,0
	padding material	N 2227	flesh-coloured	22	2,7	140	310	3,0
	sound insulation	N 2529	blue	25	2,9	160	290	2,5
	packaging material	N 2538	orange	25	3,8	150	230	2,5
		N 2838	green	28	3,8	150	230	2,3
		N 3038	white	30	3,8	150	230	2,0
Hard types MOLITAN® H	– foams with increased compression load deflection	H 2338	grey	23	3,8	160	200	3,0
	upholstered furniture	H 2545	white	25	4,5	160	190	3,0
	mattresses	H 3050	grey	30	5,0	170	170	2,5
	padding material	H 3543	pink	35	4,3	160	160	1,8
	packaging material	H 4055	blue	40	5,5	160	150	1,5
Soft types MOLITAN® W	– foams with reduced compression load deflection	W 2519	pink	25	1,9	140	300	3,5
	upholstered furniture (softening layers)	W 3530	grey	35	3,0	150	250	2,0
Special types MOLITAN® S	– imitation of sea sponge	S 23 MH	coloured	23	–	–	–	3,5
	– foams with reduced flammability	S 2823 F	grey	28	3,2	130	180	3,0
	automotive industry, sound insulation	S 3535 F	grey	35	3,5	130	190	2,0
	– foams with reduced surface electric resistance	S 3060 AST	pink	30	6,0	130	180	3,0
	special packaging							

Polyester foams

MOLITAN® E	– standard types	E 3037	white	30	3,7	200	260	3,5
	textile industry, footwear industry consumer's goods, packaging material							
	– foams with reduced flammability and low fogging	E 3037 AF	white	30	3,7	150	200	4,0
	automotive industry, sound insulation	E 3540 AF	white	35	4,0	150	230	3,5
		E 5555 AF	white	55	5,5	150	250	2,5

FORM: Polyether and polyester foams are produced in form of blocks, boards, strips, cut parts and shaped products.

F – reduced flammability of F types meets the requirements of Decree No. 102/1995 Code Gazzette, Standards MVSS 302 and TL 1010

A – low fogging is specified according to Standard DIN 75 201-B

MH – imitation of sea sponge

The information and recommendations of this printed matter correspond to the state of knowledge of Gumotex, a.s. at the time of publication. The user is in any case responsible to determine the suitability of information and products for the purposes he intends.

The sale of these products is subordinated to the authorized sale and technical conditions.