



FURNITURE AND BEDDING

POLYURETHANE SYSTEMS FOR
CONTEMPORARY DESIGN

AROFLEX



**Flexible foam technology
for designers: an elegant
and imaginative furniture**

AROFLEX Systems developed for design products made by injection into closed molds.



POZZI INDUSTRIES
MADE IN ITALY



FURNITURE AND BEDDING

POLYURETHANE SYSTEMS FOR FLEXIBLE FURNITURE

AROFLEX

Injection foam: innovative technology for designers.

AROFLEX is a flexible PU foam system, with the use of MDI isocyanate, suitable to produce pieces with density from 50 to 80 kg/m³ according with customer requirements. Flexible PU foam was previously used and developed for flexible large slab production for furniture industry. You had to cut it, glue it, tie it, compress it, nail it and so on. **AROFLEX** is a system formulated to be used by injection. This new concept revolutionizes flexible furniture market with an innovative formulation and process: you can now simply pour **AROFLEX** in a mould and obtain complex pieces perfectly finished in a few minutes. No need to cut PU slabs, no need to use glue, no need to spend long time for production. Our "Injection system" allows you to put inserts or reinforcements inside the mould before the pouring: this way inserts are built into the foam and the pieces obtained are ready to be upholstered. With **AROFLEX** you can obtain complex flexible pieces in one single shot. The system is devised for various applications such as cushions, armrests, backrests, armchairs and sofas. The excellent smoothness and homogeneity of the finished Polyurethane pieces, make them suitable and convenient for the realization of large objects with complex shapes and variable thicknesses. **AROFLEX** flexible PU foam is lightweight and resilient and, because of its open-cell structure, it has good air permeability. These properties make **AROFLEX** an excellent cushioning material for the furniture industries. **AROFLEX** can be used with high and low pressure foaming machines and must be poured inside a mould in a cold forging process. The use of moulds allows considerable savings on the investments, making the injection flexible polyurethane technology very competitive.

PLUS

- DENSITY FROM 50 TO 80 KG/M³
- MORE FIRM AND LONG LASTING FURNITURE
- INSERTS BUILT INTO THE FOAM
- SMOOTHNESS AND HOMOGENEITY
- LIGHTWEIGHT AND RESILIENT
- HIGHEST QUALITY LEVELS STEADY OVER TIME
- IDEAL FEATURES FOR DESIGN PRODUCTION
- IMPRESSIVE REDUCTION OF TECHNICAL RESTRICTIONS
- GREAT SHAPE COMPLEXITY ALLOWED IN ONE SHOT
- FAST PRODUCTION



Specifications and typical properties

	Units	Front	Rear	Back-rests	Test Method
Pol / Iso ratio (pol =)100	pbw	56	52	48	
Core density	Kg/m³	50	47	45	ISO 845
Elongation resistance	KPa	160	145	130	ISO 1798
Elongation at break	%	105	105	110	ISO 1798
Tear Streght	N/cm	2.3	2.2	2.1	DIN 53356
Resilience (ball rebound)	%	63	63	62	UNI 6357
Compression set (50%; surface)	%	5.6	5.7	5.9	ASTM 3574
C.F.D. 40%	KPa	6.0	4.4	2.8	DIN 53577



headquarter
via Manzoni, 6
22060 Arosio, Como - ITALY
tel +39 031 761 313
fax +39 031 761 546

info@pozziarosio.com
www.pozziarosio.com



Management System
ISO 9001:2008



www.tuv.com
ID 9105071179