

MONIFLEX



Description

MONIFLEX consists of transparent insulation sheets. It is the ideal material for any application where moisture and shock resistance is important in combination with a low weight. For this and other reasons, MONIFLEX is widely used in the transport and construction industries. It is most often used in passenger rail vehicles and as insulation used in shipbuilding. In light of current concerns about environmental protection and the use of natural resources, MONIFLEX is the obvious choice for insulating materials.

Application



TECHNICAL PARAMETERS:

DENSITY	-	13 kg/m ³
ACOUSTIC	ISO 354:1985 (DIN 52212)	Moniflex 50 mm 0,4 aw 5 dB
	ISO 140:978	Moniflex 60 mm 0,4 aw 4 dB
WATER RETENTION		<2%, typical content at 23° C (50% R.H.) Due to its construction, Moniflex drains off condensed water and maintains its insulation properties even if affected by high humidity.
FIRE RETARDANT PROPERTIES		MONIFLEX is a fire retardant/self-extinguishing material
		R1 10-20mm HL3 30-60mm HL3 covered on one side with aluminum foil
	CEN/TS 45545-2:2013	R10 10-60 mm HL3
		Flammability S4 (10 mm) S3 (20-60 mm)
	DIN 5510-2:2009	Dripping ST2 (10-60 mm) Smoke Class SR2 (10-60 mm) Smoke toxicity FED (15) = <0,01(10-60), FED (30) = 0,01 (10-60 mm)
		F1, M1 10-60 mm
	NF F 16 101/102/STM-S-001 Index C	Smoke and toxicity F1
		Reaction to fire M1
	UNI CEI 11170-01-02-03	Class 1B (10-60 mm) UNI 8457 I UNI 9174 Ib
		Approved for Transit and Passenger Rail (10-60 mm)
	NFPA 130:2010	ASTM E662:2009 Optical smoke density Ds 4 min 24,2 (< 100) ASTM E162:2009 Spread of flame Is 1,8 (≤ 25)

TECHNICAL DATA SHEET

PN-K-2512:2000	P2, D1, R1 (10-60 mm)	
UIC Code 564-2	A, C, A (10-60 mm)	
Russian Federation Certificate of conformity	GOST 30402-96	B2
	GOST 12.1.044-89 (p.2.14)	D2
	GOST 12.1.044-89 (p.2.16)	T2
	GOST 30244-94	G2
	GOST 12.1.044-89 (p.4.3)	Hardly combustible

STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS [mm]	DIMENSIONS OF THE SHEET * [mm]
10, 20, 30, 40	950 x 2300

There is a possibility of cutting to size in accordance with your specifications or drawing.

*Other thicknesses / dimensions available on customer's request. There is the possibility to order the material in the roll. Effective dimensions guaranteed as ordered.