



E20 TYPE - APPROVAL CERTIFICATE E20*118R03/01*004032*00

MAAD PE 30

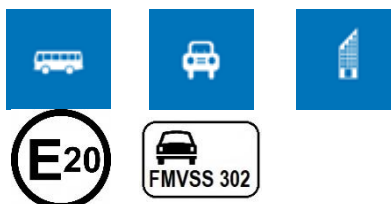


Description

MAAD PE 30 – Polyethylene - it is closed cell polyethylene and therefore it is damp-proof. PE is an excellent insulator against heat. A strong structure of the material additionally stiffens the bus frame rib, which reduces the transmission of noise / vibration transmitted by the bodywork.

MAAD PE 30 has an approval certificate issued by Transport Technical Supervision TDT. The material is registered in an international database IMDS.

Application



TECHNICAL PARAMETERS

DENSITY	-	30 kg/m ³	
FIRE PERFORMANCE	FMVSS 302 ECE-R Annex 6, 7, 8	f<100mm/min	
	DIN 75200	fulfilled	
	ISO 3795	fulfilled	
	EG 95/28 aneks IV	fulfilled	
TENSILE STRENGTH	ISO 1926	282 kPa	
ELONGATION AT BREAK	ISO 1798	189%	
COMPRESSION DEFLEXION	ISO 844	at 10%	44 kPa
		at 25%	62 kPa
		at 50%	122 kPa
COMPRESSION SET	ISO 1856-C	0,5 hours	12%
		24 hours	4%
		50% 0,5 hours	28%
		50% 24 hours	16%
THERMAL CONDUCTIVITY λ	ISO 2581	at 10°C	0.038 W/mK
		at 40°C	0.042 W/mK
TEMPERATURE RANGE	-	-60 / +90°C	
WATER ABSORPTION (7 days)	-	<1.0 vol.%	
VALUE μ (23°C, 0-85% relative humidity)	ISO 1633	3200	
HARDNESS	ASTM D2240	54 Sh00	

STANDARD DIMENSIONS OF THE MATERIAL

THICKNESS [mm]	DIMENSIONS OF THE SHEET * [mm]
2,0 – 60,0	2000 x 1000

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.

OPTIONS**

Maad PE 30	without a self-adhesive layer
Maad PE 30, SK-M	with a self-adhesive with a mesh layer

** Other composites available on customer's request.

In the case of material with a self-adhesive layer, storage at a temperature of +15 to +30 °C



ADDITIONAL TECHNICAL PARAMETERS

FMVSS302 (Automotive), ECE-R Annex 6, 7, 8

Excellent physical properties.

The structure of cells: large, regular, closed.

Soft, has a smooth surface.

Excellent thermoplastic properties, particularly excellent characteristic in terms of forming.

Excellent properties of heat insulation.

Very good damping steps sound.

Minimal water absorption and very little permeability of water vapor.

Good resistance to weather conditions.

UV resistance.

Resistant to many chemicals.

Odorless, neutral to environment.

Supplied with flames protective layer (according to DIN 4102-B1 and B2, M1 (France), CSE/RF3 (Italy)).

Waste disposal: recycling.