

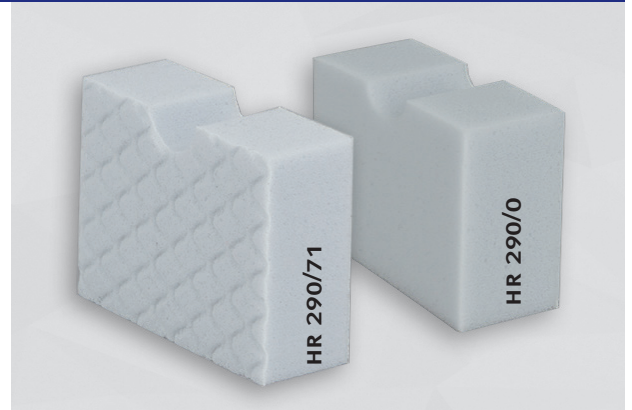


CELLO® HR 290/0 • CELLO® HR 290/71

Cello® HR 290/0: Soft grey melamine-resin foam for noise absorption and thermal insulation purposes.

Cello® HR 290/71: Same as HR 290/0, but the surface has been embossed with a decorative lozenge pattern (special Cello® process).

Applications: Buses/utility vehicles, household appliances, heating/ventilation/AC systems, machine construction, medical technology, sound conditioning, rail vehicles



TECHNICAL DATA

FLAMMABILITY



- ▶ FMVSS 302, DIN 75 200, fulfilled
- ▶ ISO 3795, burning rate < 100 mm/min
- ▶ ECE R-118, annexes 6, 7 and 8 fulfilled (HR 290/0 NK, ≥ 13 mm)
- ▶ UL94, V-0, HF-1 (HR 290/0)
- ▶ EN 45545-2 2020: requirement R1 + R7 + R17, HL 2 fulfilled (5-100 mm)
- ▶ DIN 4102, tested according to B1 (HR 290/0, ≥ 20 mm)
- ▶ DIN EN 13501:B-S1, d0 (HR 290/0 NK, 5-15 mm)
C-S2, d0 (HR 290/0 NK, > 15-80 mm)
C-S3, d0 (HR 290/0 NK, > 80-200 mm)

TEMPERATURE RESISTANCE

Long-term: -50°C to +180°C
Short-term: up to +200°C

THERMAL CONDUCTIVITY OF MELAMINE FOAM / EN 12667 ≤ 0.034 W/(m·K) at 10°C

DENSITY OF MELAMINE FOAM / DIN EN ISO 845 9 ± 1,5 kg/m³

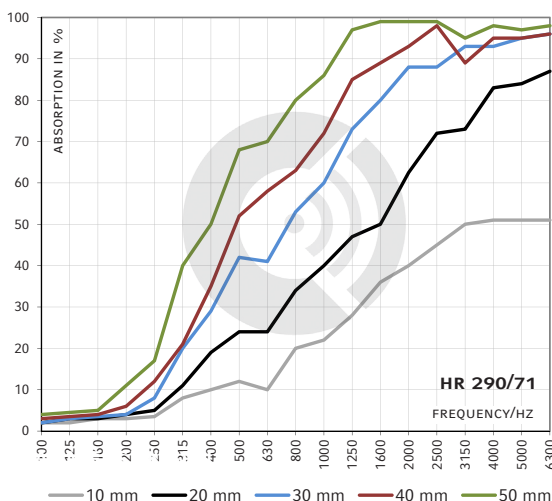
DIMENSIONS

| PRODUCT | THICKNESS [mm] | THICKNESS TOLERANCE [mm] | SHEETS* [mm] |
|------------------------|--------------------|--------------------------|----------------------------|
| HR 290/0 and HR 290/71 | 10, 20, 30, 40, 50 | ± 1 | 1250 X 1250 or 2100 X 1250 |

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

IMPEDANCE TUBE / DIN 10 534-2



BENEFITS

- ▶ High sound absorption values
- ▶ Excellent fire performance
- ▶ High temperature resistance
- ▶ Low thermal conductivity
- ▶ Very good chemical resistance against carbon hydrides and alcohol (DIN 53428)

AIR POCKET TOLERANCES

When melamine foam is produced, air pockets may form that become visible later on when the foam block is cut into sheets. The following tolerances apply for such air pockets for face side / edges:

- Ø up to 5 mm: no restrictions
- Ø ≥ 5-15 mm: a maximum of 10 air pocket per m²
- Ø ≥ 15-25 mm: a maximum of 1 air pocket per m²

OPTIONS

HR 290/0 NK: no self-adhesive equipment
HR 290/0 SK: with self-adhesive finish