



## DATA SHEET



### CELLO® R615 | CELLO® R616 | CELLO® R612

**Cello® R615:** Top-quality recycling products made from selected clean in-process waste, basically made from PUR.  
Color: mostly grey, flecked with different colors.

**Cello® R616:** Additional water-repellent finish.

**Cello® R612:** Same as R615, but weight of 120 kg/m<sup>3</sup>.

Applications: Construction and farm machinery, household appliances, cabins/casings/hoods, machine construction, medical technology



Our composite foam products are high-quality recycling products made from selected production scraps.

#### TECHNICAL DATA

<b>FLAMMABILITY</b>	▶ FMVSS 302, DIN 75 200: fulfilled ▶ ISO 3795: burning rate < 100 mm/min
<b>TEMPERATURE RESISTANCE</b>	-40°C to +100°C
<b>THERMAL CONDUCTIVITY   EN 12667</b>	R615: ≤ 0.040 W/(m·K) at 10°C R616: ≤ 0.041 W/(m·K) at 10°C
<b>DENSITY   DIN EN ISO 845</b>	R615 + R616: 180 kg/m <sup>3</sup> ± 20% R612: 120 kg/m <sup>3</sup> ± 20%
<b>RECYCLED CONTENT</b>	80%

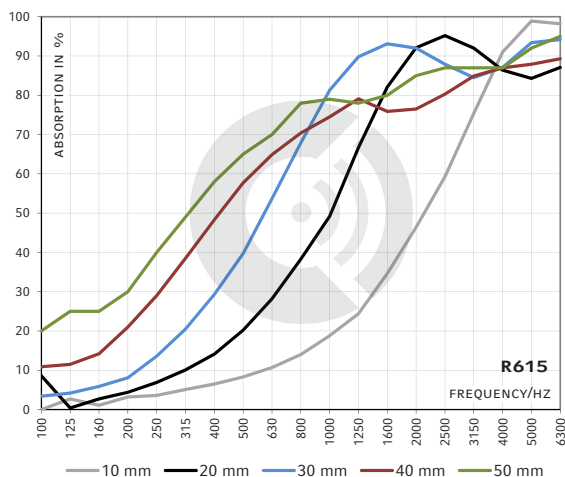
#### DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
R615 R616 R612	10, 20, 30, 40, 50	up to 20 mm: ± 1 > 20-50 mm: ± 1.5	2000 X 1000

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



- |                 |  |
|-----------------|--|
| <b>BENEFITS</b> | <ul style="list-style-type: none"><li>▶ Multifunctional material providing efficient insulation and attenuation (absorption) of both airborne and solid-borne noise</li><li>▶ Surface largely resistant to oil and fuel</li><li>▶ High mechanical stability</li><li>▶ Suitable for use in hot and humid environments (Cello® R616)</li></ul> |
| <b>ADVICES</b>  | <ul style="list-style-type: none"><li>▶ Since this is a recycled product, different batches may have different colors</li></ul>  |

OPTIONS	(FURTHER OPTIONS ON REQUEST)	
NK	no self-adhesive equipment	
SK	with self-adhesive finish	
R615 VL	For added protection laminated with an oil-, water- and fuel-repellent, air-permeable top layer made from an acoustically optimized black polyester non-woven.	<b>FLAMMABILITY</b> <ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200: fulfilled</li> <li>▶ ISO 3795: burning rate &lt; 100 mm/min</li> </ul>
R616/91	additionally laminated with an air-permeable PUR film that has been optimized for acoustic effectiveness. Suitable for applications in motorboats/yachts.	<b>FLAMMABILITY</b> <ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200: fulfilled</li> <li>▶ ISO 3795: burning rate &lt; 100 mm/min</li> <li>▶ DIN EN ISO 9094: oxygen index (OI) of at least 21% fulfilled (SK, ≥ 10 mm)</li> </ul>
R616 ALG-01	additionally laminated with a embossed corrosion-resistant aluminum foil (0.1 mm). Suitable for applications in motorboats/yachts.	<b>FLAMMABILITY</b> <ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200: fulfilled</li> <li>▶ ISO 3795: burning rate &lt; 100 mm/min</li> <li>▶ DIN EN ISO 9094: oxygen index (OI) of at least 21% fulfilled (SK, ≥ 10 mm)</li> </ul>
R612 VL	same as R615 VL, but weight of 120 kg/m <sup>3</sup> .	<b>FLAMMABILITY</b> <ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200: fulfilled</li> <li>▶ ISO 3795: burning rate &lt; 100 mm/min</li> </ul>
R612/53	same as R612 VL, but with dark grey non-woven.	<b>FLAMMABILITY</b> <ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200: fulfilled</li> <li>▶ ISO 3795: burning rate &lt; 100 mm/min</li> </ul>



R615 VL



R616/91



R616 ALG-01



R612 VL