

Technical Data Sheet

Recycled foam 160a



recycled foam

Recycled foam 160a is a compressed recyclate foam, made of crushed leftovers pieces of various polyurethane-foams (PU-foams), which are inextricably bonded with a binder.

Technical Data				
Type (Recycled foam 160a/...)		10	15	20
Thickness (approximate)	[mm]	10.0	15.0	20.0
Weight (approximate)	[kg/m ²]	1.6 ± 0.3	2.4 ± 0.4	3.2 ± 0.5
Density (approximate)	[kg/m ³]	160 ± 32		
Thermal stability	[°C]	110		
Cold resilience	[°C]	-40		
Compressive stress ISO 3386-1 at 40%	[kPa]	> 42 ± 8.4		
Tensile strength ISO 1798	[kPa]	> 110		
Elongation at break ISO 1798	[%]	> 60		
Combustibility FMVSS 302 DIN 75200	[mm/min]	burn rate < 100		

Technical Data				
Type (Recycled foam 160a/...)		25	30	35
Thickness (approximate)	[mm]	25.0	30.0	35.0
Weight (approximate)	[kg/m ²]	4.0 ± 0.6	4.8 ± 0.7	5.6 ± 0.8
Density (approximate)	[kg/m ³]	160 ± 32		
Thermal stability	[°C]	110		
Cold resilience	[°C]	-40		
Compressive stress ISO 3386-1 at 40%	[kPa]	> 42 ± 8.4		
Tensile strength ISO 1798	[kPa]	> 110		
Elongation at break ISO 1798	[%]	> 60		
Combustibility FMVSS 302 DIN 75200	[mm/min]	burn rate < 100		

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Type (Recycled foam 160a/...)		50	70
Thickness (approximate)	[mm]	50.0	70.0
Weight (approximate)	[kg/m ²]	8.0 ± 1.2	11.2 ± 1.7
Density (approximate)	[kg/m ³]	160 ± 32	
Thermal stability	[°C]	110	
Cold resilience	[°C]	-40	
Compressive stress ISO 3386-1 at 40%	[kPa]	> 42 ± 8.4	
Tensile strength ISO 1798	[kPa]	> 110	
Elongation at break ISO 1798	[%]	> 60	
Combustibility FMVSS 302 DIN 75200	[mm/min]	burn rate < 100	

Main function: Airborne sound absorption (absorption) and airborne sound insulation, structure-borne sound insulation (anti-drumming)

Applications: Sound insulating cabins, vehicle cabins, mechanical engineering etc.

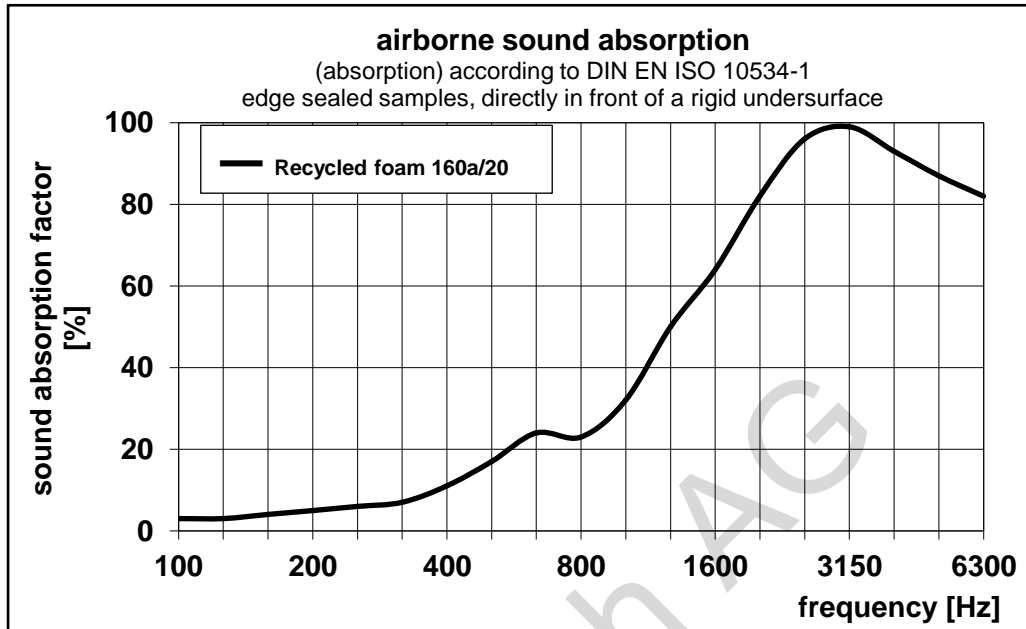
Processing: Mechanical attachment
 Processing temperature: 18 - 25 °C

Storage conditions: Dry at temperatures between 18 - 25 °C
 Max storage time: 6 months

Delivery forms: Standard boards approx. 1,030 x 2,030 mm untrimmed,
 other sizes or cut-to-size pieces upon request.

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The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.