

ArmaPhonic MD

ECONOMIC SOUND ABSORPTION
SOLUTION



- Very good sound absorption behaviour across broad frequency range
- Easy installation and maintenance
- Optimal performance at low thickness
- Designed for installation in demanding environments

Technical Data - ArmaPhonic MD

Brief description	Highly-flexible, open-cell acoustic material for acoustic applications.		
Material type	Elastomeric foam based on synthetic rubber.		
Colour	Black		
Applications	Acoustic insulating material with high sound absorption performance for use in different applications, e.g. fan-coil units, duct linings, cabinet linings, chiller systems, enclosures, etc.		

Property	Value/Assessment							Test ^{*1}	Special Remark
Temperature Range									
Temperature Range	max. service temperature				+ 85 °C				
	min. service temperature				-20 °C				
Thermal Conductivity									
Thermal Conductivity	ϑ_m				0			[°C]	Tested according EN ISO 12667
	λ		\leq		0,062			W/(m · K)	
Fire performance									
Reaction to fire	Euroclass				E			Tested according to EN ISO 11925-2	
Other Fire Class	For fire classes please consult our technical department								
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames								
Acoustic Performance									
	Thickness [mm]	125	250	500	1.000	2.000	4.000		
	10	0,010	0,030	0,120	0,460	0,870	0,940		
	15	0,020	0,090	0,290	0,800	1,030	0,890		
	20	0,030	0,120	0,450	0,900	1	0,890		
	25	0,050	0,190	0,610	1,030	0,940	0,900		
	50	0,150	0,530	0,710	1	0,940	0,760		
	Thickness	10 mm	15 mm	20 mm	25 mm	50 mm			
	α_w^2	0.20 (H)	0.35 (MH)	0.40 (MH)	0.60 (MH)	0,750			
Class	E	D	D	C	C				
NRC ³	0,300	0,450	0,500	0,550	0,700				
Density	240 -20 / +120 kg/m ³							Tested according producer's own method	

*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

Armacell GmbH
 Robert Bosch Str. 10 • 48153 Muenster • Germany
 Phone +49 (0) 251 / 76 03-0 • Fax +49 (0) 251 / 76 03-448
 www.armacell.com • info@armacell.com