

PRODUCT DATA SHEET FOR INDUSTRIAL INSULATION

Product Name	Power-teK LM 450 ALU
Manufacturer	Knauf Insulation GmbH
Certification number	6V149
Certification body	DIN CERTCO
Designation Code	MW EN 14303-T4-ST(+)-450-WS1-MV1-CL10
Labeling	VDI-mark
Form of supply	Lamella Mat
European Standard	DIN EN 14303:2013-04
Thermal Conductivity (W/mK)	
Maximum service temperature	450
Minimum service temperature	
Thickness Range (mm)	020-120
Reaction to Fire (Euroclass)	A2
Temperature 1	50
Thermal conductivity 1	0.044
Temperature 2	100
Thermal conductivity 2	0.054
Temperature 3	150
Thermal conductivity 3	0.068
Temperature 4	200
Thermal conductivity 4	0.087
Temperature 5	250
Thermal conductivity 5	0.109
Temperature 6	300
Thermal conductivity 6	0.135
Temperature 7	
Thermal conductivity 7	
Temperature 8	
Thermal conductivity 8	
Temperature 9	
Thermal conductivity 9	
Temperature 10	
Thermal conductivity 10	
Air-flow resistance	
Water vapor diffusion resistance	
Content of water-soluble chloride ions	< 10 ppm
Water absorption	<1