

Knauf Insulation TS

ASTM-Declaration

April 2020

Overview

The following listed products meet all the requirements and pass all the tests of mentioned ASTM-Standards.

Products	Pipe section Power-teK PS 450	Pipe section Power-teK PS 680	Industrial Pipe Belt Power-teK PB 680 ALU	High temperature board Power-teK BD 660	High temperature board Power-teK BD 700	Wired Mat Power-teK WM 640 / WM 660 / WM 680
ASTM Product Standard	ASTM C547	ASTM C547	ASTM C547	ASTM C612	ASTM C612	ASTM C592
Type	I-A	II-A	III-A	IV-A	IV	II/ III/ III
Product Properties		ASTM Test standards				
Density (kg / m ³)	ASTM C302	ASTM C302	ASTM C302	ASTM C303		ASTM C167
Dimensions (% of label)	ASTM C302	ASTM C302	ASTM C302	ASTM C303		
Dimensional Recovery (% of label)						ASTM C167
Thermal Conductivity	ASTM C335	ASTM C335	ASTM C335	ASTM C177	ASTM C177	ASTM C177
Compressive Resistance (kPa)				ASTM C165	ASTM C165	
Water vapor Sorption (Mass %)	ASTM C1104	ASTM C1104	ASTM C1104	ASTM C1104	ASTM C1104	ASTM C1104
Odor emission				ASTM C1304	ASTM C1304	ASTM C1304
Surface Burning Characteristics	ASTM E84	ASTM E84	ASTM E84	ASTM E84	ASTM E84	ASTM E84
Maximum Use Temperature	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411
Exothermic Temperature Rise (°C)	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411	ASTM C447/ C411	
Fungi Resistance				ASTM C1338	ASTM C1338	ASTM C1338
Sag Resistance (% thickness)	ASTM C411	ASTM C411	ASTM C411			
Linear shrinkage (% change)	ASTM C356	ASTM C356	ASTM C356	ASTM C356	ASTM C356	ASTM C356
Corrosiveness	ASTM C795	ASTM C795	ASTM C795	ASTM C795/ ASTM C665 (sec- 13.8)	ASTM C795/ ASTM C665 (sec- 13.8)	ASTM C795/ ASTM C665 (sec- 13.8)
Rigidity				ASTM C1101	ASTM C1101	
Non Fibrous Shot Content (% content)	ASTM C1335	ASTM C1335	ASTM C1335	ASTM C1335	ASTM C1335	ASTM C1335
Non combustibility						ASTM E136

Production plant

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