

ROCAIR



Yi-Card Enterprise Co., Ltd.
Insulation Products

Insulation Sheet



ROCAIR Insulation Sheets satisfied the customers' request on the higher fireproof performance. Approved by US FM and the best standard UK BS476 part 7/ part 6. The materials are widely used in HVAC systems, pipe systems, refrigeration systems and industrial insulation projects.

Product Features

Prevent the condensation, reduce the energy lost in the period of system life cycling.
Low thermal conductivity and higher moisture resistance.

Technical Data

Item		Unit	Performance Index	Implemented Standard
Surface Density		kg/m ³	≤ 80	GB/T6343
Burning Performance			Oxygen Index ~39%	GB/T2406
			Meet Requirement	GB/T8627
			Grade B	GB8624
			Class 0	BS476:part 6
			V0	UL 94
Smoke Toxicity			ZA3 Class	GB/T20285
Thermal Conductivity	-20℃	W/(m.k)	≤ 0.031	GB/T10294
	0℃		≤ 0.033	
	40℃		≤ 0.037	
Water Vapor Penetrating Performance	Water Vapor Permeability	g/(m.s.Pa)	≤ 1.3x10 ⁻¹¹	GB/T17146
	Moisture Resistance		≥ 12000	
Water Absorption In Vacuum		%	≤ 8	GB/T17794
Dimension Stability (105℃±3℃, 7days)		%	≤ 10	GB/T8811
Reboundrate After Compression (Compression Rate 50%, 72hrs)		%	≥ 70	GB/T6669
Aging Resistance 150hrs			No Wrinkle, No Crack, No Pinhole, No Distort	GB/T16259
Temperature Range		℃	-40 ~ 105	GB/T17794

Insulation Pipe



ROCAIR Insulation pipes use NBR as main raw material for foaming and become fully closed cell of flexible rubber insulation materials. The pipes are widely used in HVAC systems, pipe systems, refrigeration systems and industrial insulation projects.

Product Features

Adopted the most advanced “gel” foaming technology.

Low thermal conductivity, high moisture resistance and high security fire prevention function.

Technical Data

Item		Unit	Performance Index	Implemented Standard
Surface Density		kg/m ³	≤ 80	GB/T6343
Burning Performance			Meet Requirement	GB/T2406
			Grade B	GB8624
			Meet Requirement	Flame Retardant B1
Smoke Toxicity			ZA ₃ Class	GB/T20285
Thermal Conductivity	-20℃	W/(m.k)	≤ 0.031	GB/T10294
	0℃		≤ 0.033	
	40℃		≤ 0.037	
Water Vapor Penetrating Performance	Water Vapor Permeability	g/(m.s.Pa)	≤ 1.96x10 ⁻¹¹	GB/T17146
	Moisture Resistance		≥ 10000	
Water Absorption In Vacuum		%	≤ 8	GB/T17794
Dimension Stability (105℃±3℃, 7days)		%	≤ 10	GB/T8811
Reboundrate After Compression (Compression Rate 50%, 72hrs)		%	≥ 70	GB/T6669
Aging Resistance 150hrs			No Wrinkle, No Crack, No Pinhole, No Distort	GB/T16259
Temperature Range		℃	-40 ~ 105	GB/T17794

Insulation Tape



Technical Data

Item	Unit	Performance Index
Density	kg/m ³	70
Burning Performance		B2 Grade
Smoke Density (SDR)		≤ 75
Coefficient of Thermal Conductivity (Average Temperature)	W/(m.k)	≤ 0.038
Moisture Permeability	g/(m.s.Pa)	≤ 4.4x10 ⁻¹⁰
Water Absorption In Vacuum	%	≤ 10
Dimension Stability (105°C±3°C, 7days)	%	≤ 10
Tear Strength	N/cm	≥ 3.0
Aging Resistance 150hrs		No Wrinkle, No Crack, No Pinhole, No Distort
Temperature Range	°C	-30 ~ 115
Gum and Heat Resistance	°C	-30 ~ 75
Back Adhesive Peel Strength	N	10



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