

PEFLEX SHEET



İzocam Peflex is a polyethylene foam material that has closed cell structure. It is manufactured to be used for air conditioning, cooling, thermal insulation and condensation control in solar energy systems.

Application

It is used in cold water systems; solar energy systems; fittings, air conditioning and cooling members of the large diameter pipes; systems functioning with dual temperatures; ducts and tanks; at the exterior surfaces of the ducts and large diameter pipe lines, for thermal insulation and condensation control purposes. For the spaces where there is heat transfer by radiation, using products faced with aluminium foil is recommended. The boards are adhered to the duct surface by using a special adhesive that İzocam suggested. Joints should be tightly sealed and they should be covered with insulation tape afterwards if necessary. Taping should not result in thickness loss. The application should be protected against disruption and rupture. For the applications exposed to the sun, definitely a protective coat or a protective paint should be used. For the outdoor applications, the surface should be coated within 5 days. For the application of self adhesive boards there is no need to use any adhesive. Aluminium foil coating increases the vapour resistance and impact resistance of the material. Since it prevents the sun rays it protects the material against UV and prolongs its life. There is no need to use protective coating or painting for indoor spaces getting natural sun. Metallized film coating is a polyethylene material with high density that is preferred since it is shiny and has a similar appearance with aluminium foil. For the application of self adhesive sheets there is no need to use any adhesive. It should not be exposed to direct sun light and it should be preferred for indoor spaces.



Thickness (mm)	Width x Length (mm)	Package (m ²)
6	1 x 60	60
8	1 x 50	50
10	1 x 40	40

- *Highly flexible*
- *Thermal insulation*
- *Condensation control*
- *CFC free*



TECHNICAL DATA SHEET

izocam PEflex Sheet

Properties	Symbol	Unit	Description					Tolerance	Standard
Material	-	-	Polyethylene Foam					-	TS EN 14313
Length	l	m	60	50	40			± 1,5 %	TS EN 822
Width	w	mm	1000					± 1 %	TS EN 822
Thickness	t	mm	6	8	10			± 1,5	TS EN 823
Facing	-	-	Unfaced	Self Adhesive Film	Metalized Film	Aluminium Foil			-
Reaction to fire	-	-	E					-	TS EN 13501-1
Declared Thermal Conductivity	T _{ort}	°C	-20	0	20	40	60	-	TS EN 12667
	λ	W/m.K	0,044	0,053	0,057	0,065	0,080		
Max. Service Temperature	-	°C	-45 / 80					-	-
Water Vapor Diffusion Resistance Factor	μ	-	< 10 mm; ≥ 3000					-	TS EN 12086
			≥ 10 mm; ≥ 5000						
UV Resistance	-	-	Good					-	-
Flexibility	-	-	Excellent					-	-
Fungal Growth	-	-	None					-	-
Packaging Material	-	-	PE Bag					-	-

Safety Reminders for Loading, Unloading, Shipping and Storing

- These operations should be done indoors in case of rainy weather conditions.
- Loading and unloading should be done by (at least) two people.
- The products should be wrapped by a waterproof cover during shipping.
- When the packages piled in the truck body are being tied up hard padding (wood, cardboard, etc.) should be put on the corners of the packages to protect them against possible damages by ropes.
- Only backshutter of the truck body should be opened during unloading.
- Storing should be done indoors and the boxes should be put over flat floor.
- Maximum 4 packages should be superposed.
- Packages should not be put into upright position.
- Packages should not be stepped on and should not be used as steps.
- Products should not be unloaded by pushing or throwing from the truck.
- The truck should not be moved without wrapping and binding the packages.
- The products should not be exposed to sun.
- Storage area should not be slippery.
- Storage area should be ventilated if the room temperature exceeds 35°C.
- If the truck needs to stop for a long time, it should stay in the shade.
- The products should be at a minimum distance of 3 m from the lighting armatures.



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