

PEFLEX PIPE



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

Application

It is used in cold water systems; solar energy systems; systems functioning with dual temperatures; for thermal insulation and condensation control purposes. The pipe to be insulated and the polyethylene pipe should fit properly and no gap should be left in between. Joints should be tightly sealed. 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. 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. It should not be exposed to direct sun light and it should be preferred for indoor spaces.

Inner Diameter (mm) *	Package (m)			
	Thickness (mm)			
	10	15	20	30
22	230	160	108	90
28	180	140	96	70
35	140	110	80	60
42	108	90	60	50
48	90	80	60	40
60	70	60	40	32
76	48	40	30	20
89	40	30	24	18
114	30	24		

* Standard length is 2000 mm.



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



TECHNICAL DATA SHEET

İzocam PEflex Pipe

Properties	Symbol	Unit	Description					Tolerance	Standard	
Material	-	-	Polyethylene Foam					-	-	
Length	l	mm	2000					- 1,5 %, + 2,5 %	TS EN 13467	
Inner Diameter	$D_{i,D}$	mm	$D_{i,D} \leq 35$					+1 / +4	TS EN 13467	
			$35 < D_{i,D} \leq 100$					+2 / +6		
			$D_{i,D} \geq 100$					+3 / +8		
Thickness	t	mm	10, 15, 20, 30					$d_D = 10$	$\pm 1,5$	TS EN 13467
								$d_D = 15$	$\pm 2,0$	
								$15 < d_D \leq 30$	$\pm 2,5$	
Facing	-	-	Unfaced	Metalized Film	Aluminium Foil			-	-	
Reaction to fire	-	-	E					-	TS EN 13501-1	
Declared Thermal Conductivity	T	°C	-20	0	25	40	60	-	TS EN 12667	
	λ_D	W/m.K	0,044	0,053	0,055	0,057	0,061			
Max. Service Temperature	-	°C	-45 / 80					-	-	
Water Vapor Diffusion Resistance Factor	μ	-	≥ 3000					-	TS EN 12086	
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 exceed 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.

Izocam is not responsible for any problem because of misprinting. Izocam, the manufacturer, reserves the right to alter product specifications without prior notice. Izocam also manufactures special products upon request. For your requirements, you are requested to contact our Export Department.



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