Plastic Injection and Extruder Insulation Jackets

They are designed for Techjack insulation jackets and plastic injection machines and extruders by measuring their sizes in their places and they are manufactured from high temperature-resistant materials. Techjack insulation jackets wrap around the oven without leaving any space around and in the width of oven owing to their modular design. Due to the fact that they are modular, their assembly and disassembly is very simple. With Techjack insulation avvzv applied over resistors in the oven area of Extruders and Plastic injection machines.

When average temperature of oven is 200-250 ºC , it doesn't pose any danger for the personnel. It is observed that the personnel is kept safe from risk as a result of sleeve temperature decreasing to 30-50 ºC after Techjack application. Decrease in the performance of the personnel is observed due to average heat emitting sleeve temperature when air temperature increases. This situation will be eliminated after Tachjach application.

Techjack Nozzle Cover / Disc

Techjack insulation jackets minimize heat loss and make sure that oven temperatures come into play less frequently and thus their operating time extends. Thanks to Techjack nozzle cover / disc, it got easier to prevent the plastic that recoils, which is a common problem occurring in machines, from wrapping around connection wires, thermocouples and resistor. Bore diameter of Techjack disc can be easily adjusted according to nozzle diameter of oven. Its assembly and disassembly is fast and simple.

Advantages

High energy saving (kw/kg)

- Fast amortisation
- Entering regimen quickly
- Decrease in cycle time
- Low working temperatures
- Oil and water resistant exterior surface
- Low wastage, high quality product
- Does not require any maintenance
- Personnel security (thermal and electrical)
- Does not contain asbestos and asbestos based materials
- Low cost of service
- Continuous operating, fast and easy assembly with one personnel without using any tools.

Techjack Plastic Injection Insulation Jackets Application Manner

Techjack reports energy consumed per product with our energy analyser (kw/h)before and after application in every plant we will perform the application and checks visually with thermal camera if surface temperature was lowered to a value that doesn't pose danger for the personnel as a crosscheck of the application. Techjack insulation jackets amortise in a short time like 4-6 as a result of electricity saving that they ensure in oven part.

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Plastic Injection Feasibility Report

techjack
Yalıtım Ceketleri

SAATLİK TÜKETİM kW/h	Elektrik Tüketimi			Elektrik Birim Fiyatı	Ocağın Aylık Elektrik Tüketim Bedeli	Ocağın Yıllık Elektrik Tüketim Bedeli	Tasarruf Oranı %	Tasarruf Bedeli	
	kW/gün	kW/ay	kW/yıl					Ay	Yıl
1,0	24	624	7488	0,1527 ₺	95,26 ₺	1.143,09 ₺	30	28,58 ₺	342,93 ₺
1,5	36	936	11232	0,1527 ₺	142,89 ₺	1.714,64 ₺	30	42,87 ₺	514,39 ₺
2,0	48	1248	14976	0,1527 ₺	190,52 ₺	2.286,18 ₺	30	57,15 ₺	685,85 ₺
2,5	60	1560	18720	0,1527 ₺	238,14 ₺	2.857,73 ₺	30	71,44 ₺	857,32 ₺
3,0	72	1872	22464	0,1527 ₺	285,77 ₺	3.429,27 ₺	30	85,73 ₺	1.028,78 ₺
3,5	84	2184	26208	0,1527 ₺	333,40 ₺	4.000,82 ₺	30	100,02 ₺	1.200,25 ₺
4,0	96	2496	29952	0,1527 ₺	381,03 ₺	4.572,36 ₺	30	114,31 ₺	1.371,71 ₺
4,5	108	2808	33696	0,1527 ₺	428,66 ₺	5.143,91 ₺	30	128,60 ₺	1.543,17 ₺
5,0	120	3120	37440	0,1527 ₺	476,29 ₺	5.715,45 ₺	30	142,89 ₺	1.714,64 ₺
5,5	132	3432	41184	0,1527 ₺	523,92 ₺	6.287,00 ₺	30	157,17 ₺	1.886,10 ₺
6,0	144	3744	44928	0,1527 ₺	571,55 ₺	6.858,54 ₺	30	171,46 ₺	2.057,56 ₺
6,5	156	4056	48672	0,1527 ₺	619,17 ₺	7.430,09 ₺	30	185,75 ₺	2.229,03 ₺
7,0	168	4368	52416	0,1527 ₺	666,80 ₺	8.001,63 ₺	30	200,04 ₺	2.400,49 ₺

* Ortalama yüzey sıcaklık toleransı ±10°C' dir.
* Ortalama değerlerdir.

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