



POOSHESH TEHRAN NAVID

What is
"TEHRASMOKE"
casing?



PRODUCT SPECIFICATIONS

This mono-layer barrier polyamide casing is ideal for production of hot dogs and smoked products.

"TEHRASMOKE" is designed for sausage products with regular shelf life.

TEHRASMOKE Features:

- ✓ Caliber: from 18 to 34
- ✓ Color: available in variety of colors
- ✓ Printing: Flexoprint, multi colors, one or both sides
- ✓ Number of layers: monolayer
- ✓ Barrier or permeable: permeable
- ✓ Thickness: ~ 20 micron (adjustable)
- ✓ Available forms: shirred sticks
- ✓ Length of sticks/reels: 20.6 M – 30 M per stick
- ✓ Regular shelf life of about 3 weeks
- ✓ Soaking: not required
- ✓ Shrinkage: 10% (adjustable)



Use benefits:

- ✓ No soaking required before use
- ✓ Smoke permeability
- ✓ No weight loss even in thermal processing because of high seal factor
- ✓ Excellent shirring capacity for easy handling
- ✓ No need to secondary packaging
- ✓ No oxidation effects due to excellent oxygen (gas) barrier
- ✓ Wrinkle free products resulted from excellent shrink capacity

Storage conditions and time:

For original non-printed "TEHRASMOKE" casings, storage time of 18 months is suggested under optimum conditions characterized as:

- ✓ Cool and dry place protected from frost (4°C to 30°C).
- ✓ Keep in original sealed packaging until ready to use
- ✓ Un-used casings must be kept in airtight plastic bags to maintain moisture content

Available forms:

- ✓ Shirred sticks
- ✓ Rolls

Colors and printing:

- ✓ Variety of beautiful colors are available for this casing
- ✓ Benefiting from excellent printing facilities, exclusive multicolor designs are provided



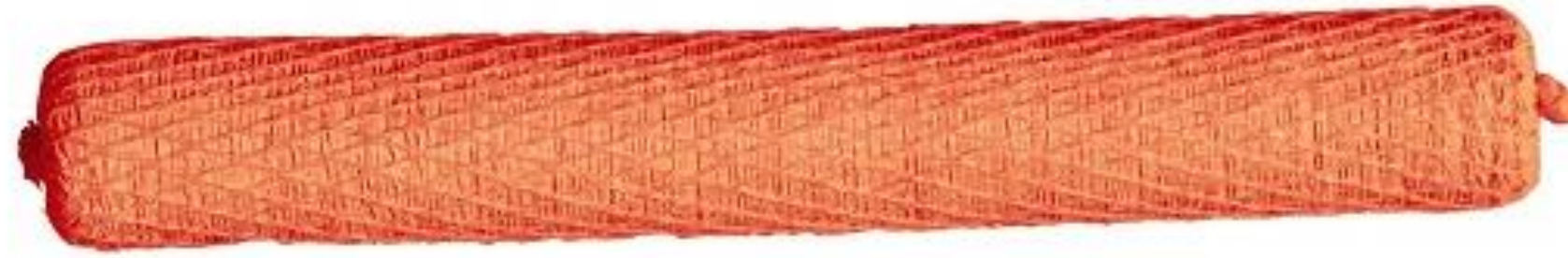


Casing diameter:

"TEHRASMOKE" casing is available in calibers ranging from 16 to 165. In order to gain optimum performance, casings must be filled to their recommended diameter listed below:

CASING CALIBRE	STUFFING DIAMETER	CASING CALIBRE	STUFFING DIAMETER
16	17.5	36	39.5-40
18	19.5-20	38	41.5-42
19	21	39	43
20	22	40	44
21	23-23.5	50	55
22	24	60	66
23	25.5	70	77
24	26-26.5	80	88
25	27.5	90	99
26	28-28.5	100	110
28	30.5	110	120
30	33	120	132
32	35-35.5	135	149
34	37	150	165
35	38.5	165	181

**For technical data,
Refer to next page.**



Preparation:

The casings are designed as "ready to use" products and it is recommended to be kept in their original packaging until being utilized. Soaking in water and paraffin treatment has been done in the factory, so No soaking is required before use!

Filling and closure:

- ✓ The casing must be filled up to the recommended stuffing diameter
(Note: over- or under-stuffing may cause wrinkle or tear on product.)
- ✓ Closure can be done using appropriate clipping and tying methods.
- ✓ Choosing correct size of filling horn which is just little bit smaller than interior diameter of the casing is necessary for stuffing.

Cooking:

Cooking temperature is set to achieve desired core temperature depending on product weight and meat composition.

- ✓ Normally, the cooking temperature is set to 80°C.
- ✓ The core temperature of 72°C must be reached during cooking.
- ✓ Cooking position can be both horizontal and vertical.

Cooling:

Cooling down is done without the risk of bursting, applying common usual ways. The only consideration is to avoid fast cooling with high airflow or iced water. For optimum result on cooling steps below must be followed:

- ✓ Right after cooking let the sausages rest in room temperature
- ✓ Cold showering
- ✓ Transfer the sausages into fridge (cooling room) and let them rest to reach core temperature of 4°C.

*** note that the long cooling time is to reach desired cohesion and consistency in sausage texture to get nice slices of final product.

Technical data:

BELOW VALUES ARE AVERAGE AND COLLECTED FROM STRAIGHT CLEAR CASING

Shrink at 80°C / 15 minutes (average value)	Transverse: 7%
Temperature resistance range	-40°C up to sterilization temperature
Water-vapor permeability rate at 23°C, 85% relative humidity, complying to DIN 53122, part 1	-5 g/ m2. d
Oxygen permeability rate at 23°C, 53% relative humidity, complying to DIN 53380, part 3	12 c m3 / m2. d. bar

*** All stated values are average and extracted from our present experiments. This information is subject to change in different conditions and situations.

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