

TS

KREHALON TS casings are multilayer shrinkable casings coextruded using two types of polyamide with a polyethylene layer sandwiched in between.

This structure gives a unique combination of strength, barrier and presentation for all of today's demanding casing applications.



KREHALON TS casings are designed for use in a wide range of meat, cheese, poultry and fish products. Their performance and durability on modern high speed filling and clipping equipment is outstanding. KREHALON TS casings will enable high productivity, high protection and top quality presentation for all sausage applications.

KREHALON TS CASING

Available widths

Flat width sizes from 55mm to 95mm in 5mm increments
Flat width sizes from 100mm to 240mm in 10mm increments

Thicknesses

48 microns

Colours

KREHALON TS casings are available in clear and several colours as follows:

Amber, Black, three shades of Brown, two shades of Cream, Gold, Pink, two shades of Red, Silver and White.

The minimum order quantity for any one size / colour is 10,000 meters.

CONVERTING OF STRAIGHT CASING

Shirring

Standard shirring widths: flat width 55mm-240mm.

Standard stick lengths: 45cm and 60cm: the amount of casing per stick varies according to size. Each shirred stick is packed in a net.

Cutting and clipping

Standard cut sizes: flat width 55mm-240mm.
length 200mm-800mm.

Standard quantity per bundle: 25 pieces.

Clipped casings can be supplied with or without loop.

Printing

1. Printing width is width of casing minus 5mm on both sides.
2. Maximum repeat length is 580mm.

IMPORTANT NOTES

1. Preparation for use.
TS casings can be used without soaking. Soaking will increase the flexibility. If soaking is required we recommend 30 minutes in water at 25 - 45°C.
2. Storage
The ideal storage temperature is 15 - 20°C with an ideal relative humidity of 50 - 60%. Temperature should not exceed 25°C. Avoid direct sunlight.
Boxes of converted KREHALON TS casings should not be stacked higher than 7 boxes.
3. Flat width
The standard range of flat widths can vary + or - 5%.
4. KREHALON TS casing can also be supplied on 500 meter reels.

ADVANTAGES OF KREHALON TS MULTILAYER CASINGS

Excellent machinability

TS casings are designed to give high performance and productivity on all filling and clipping equipment.

Gas and moisture barrier

To assist in high quality shelf life for all products by preventing oxidation, dehydration and bacteria spoilage.

High shrink

To enable good wrinkle-free presentation of all products following in-plant cooking and rapid cooling.

Easy to use

KREHALON TS casings can be used easily in most plant conditions using existing equipment adjustment.

Environmental

KREHALON TS casings are made from chlorine-free resins.



TECHNICAL DATA

Item	Conditions	Unit	TS casing
Structure			PA/PE/PA
Thickness		microns	48
Mechanical Properties:	(L/T)		
Tensile Strength	23°C 50% R.H.	kg/mm ²	12/13
Ultimate Elongation	23°C 50% R.H.	%	150/105
Secant Modulus	23°C 50% R.H.	kg/mm ²	50/40
Optical Properties:			
Haze		%	2/3
Gloss	(L/T)	%	110-140/120-150
Thermal Shrinkage	(L/T) 75°C	%	7-8/5-7
	85°C	%	13-14/13-14
	90°C	%	16-18/16-18
	95°C	%	20-22/19-23
Oxygen Transmission Rate	23°C 80% R.H.	cc/m ² atm.	60-70
Water Vapour Transmission Rate	40°C 90% R.H.	g/m ² day	14-17

Note: These are typical values for KREHALON TS casings. They are not intended for use as limiting specifications.

L = Longitudinal
T = Transversal

KREHALON TS casings are also available in "ring" formats. This enables the production of banana shaped, semi-ring and full ring sausages. Selected sizes of straight KREHALON TS casings can be converted into ring casing. The available sizes are as follows:

Type	Inner ring diameter	Available flat widths
D-15	ca. 15cm	55mm-80mm
D-18	ca. 18cm	60mm-80mm
D-25	ca. 25cm	60mm-80mm

CONVERTING OF RING CASING

Shirring

Standard shirring widths: 45mm-80mm.
Standard stick lengths: 45cm and 60cm.
Each shirred stick is packed in a net.

Printing

Flexographic printing on one or two sides up to 6 colours, depending on width, is available.

Looking at the stuffed KREHALON TS RING casings possible printing combinations are:

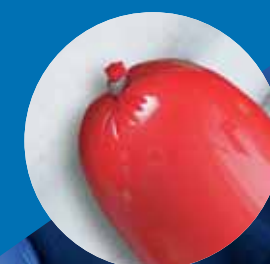
- | | |
|---------------------------|---------------------|
| 1) Top | 4) Outside |
| 2) Bottom | 5) Inside |
| 3) Top side + Bottom side | 6) Outside + Inside |



Size selection

The finished diameter of any product depends as much on the product being filled, the processing conditions and the filling equipment, as the casing. We therefore recommend tests on specific applications in the given use conditions prior to defining the required flat widths of TS casing. As a guide for selecting flat widths of samples we recommend using 8-12% overstuffing.

ts
casing



Krehalon®