

TECHNICAL DATA

Item	Conditions	Unit	FLO21 – LD No 2	FLO21 – OW No 2	FLO21– VC No 3, No 4 No 5, No 7, No 9	FLO21 - F3 No 4
Thickness (approx.)		microns	25	25	30,40,50,70,90	40
Tensile Strength	L/T 23°C 50% RH	kgf/mm ²	12/10	12/10	12~14/10~15	10/10
Ultimate Elongation	L/T 23°C 50% RH	%	140/110	140/110	140~190 110~150	170/150
Secant Modulus	L/T 23°C 50% RH	kgf/mm ²	50/50	60/60	55~65/55~65	40/35
Haze		%	2	3	3~9	6
Gloss	L/T	%	140/130	140/130	120~140 110~140	130/120
Shrink	L/T at 90°C	%	25/30		35/40	40/45
	L/T at 160°C	%		55/55		
Barrier						
- Water vapour	40°C 90% RH	g/m ² day	30	30	9~25	17
- Carbon dioxide	23°C 80% RH	cc/m ² day atm.	175	175	100~115	800
- Oxygen	23°C 80% RH	cc/m ² day atm.	35	35	20~23	120

Note: L/T = Longitudinal and transversal values where applicable.

The above is typical data and is offered as a guide.

It does not imply any guarantee of performance. Please use this data to select the most suitable KREHALON product for you to evaluate on your product and in your conditions of use.

DEVELOPED FOR USE ON SEVERAL TYPES OF PACKAGING SYSTEMS

KREHALON FLO21 films have been developed for use on flow wrapping machines for either tray overwrap MAP packages or vacuum packaging, and secondly FLO21 can be used as a lidding material on MAP barrier trays both preformed and thermoformed in line.

KREHALON FLO21 films are designed for the packaging of fresh meat, processed meat, cheese, fish, poultry and game.



Your partner in packaging solutions!



KREHALON FLO21 FILMS MULTILAYER HEAT SHRINKABLE FILMS



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KREHALON FLO21 FILMS ARE MULTILAYER HEAT SHRINKABLE FILMS DESIGNED USING INNOVATIVE PROPRIETARY TECHNOLOGY.

THEIR STRUCTURE ENABLES A UNIQUE COMBINATION OF GAS AND MOISTURE BARRIER WITH EXCELLENT SEALABILITY AND MACHINABILITY.

KREHALON FLO21 FILMS HELP TO MEET ENVIRONMENTAL CONCERNS FOR NON-CHLORINE CONTAINING MATERIALS AND LESS PACKAGING WASTE.

WITH ITS BARRIER SHRINK AND SPECIAL OPTICAL PROPERTIES FLO21 BRINGS PROTECTION AS WELL AS GLASS-LIKE, CLEAR PRESENTATION TO ALL OF YOUR PRODUCTS.



ADVANTAGES OF KREHALON FLO21 FILMS

EXCELLENT SEALABILITY

KREHALON FLO21 films have a wide sealing range at low sealing temperatures and pressures ensuring high packing speeds and reduced leakers.

GOOD MACHINABILITY

KREHALON FLO21 films run on most types of flow packing machines, tray lidding systems and on special forming/seal machines.

HIGH STRENGTH

Gives good abuse resistance and handling possibilities ensuring customer appeal, less wastage and fewer returns.

CLARITY AND GLOSS

Brilliant clarity and gloss gives a glass-like, clear view of your product. For Modified Atmosphere Packaging (MAP) excellent anti-fog (AF) properties are provided.

EXCELLENT BARRIER

Ensures your product stays in the best condition from the point of packaging to the ultimate consumer as the film retains the defined vacuum or gas atmosphere and also prevents moisture loss.

GOOD SHRINKABILITY

Gives a tight wrinkle-free view of your products.

ENVIRONMENT FRIENDLY

The advanced technology and materials used in KREHALON FLO21 films allow the use of thinner films, so reducing packaging waste. FLO21 is made from chlorine-free material.

TYPES

KREHALON FLO21 films are available as a transparent film on reels. FLO21 is available in several types depending on the application and use. These types are as follows:

1. FLO21-LD

For lidding of MAP packs on tray sealers or thermoforming machines, film will always be supplied with anti-fog (AF) treatment.

2. FLO21-OW

For tray overwrap/flow pack systems, film will always be supplied with anti-fog (AF) treatment.

3. FLO21-VC

For use on flow wrap machines for vacuum packaging i.e. bag replacement.

4. FLO21-F3

A modified barrier film for cheese packing and for other products requiring gas release.

AVAILABILITY

KREHALON FLO21 films can be slit into single wound films from 100mm to 1200mm wide in 5mm increments.

KREHALON FLO21 films are available in various thicknesses.

PRINTING

All customer printing requests are processed by KREHALON's own professional printing design department using the latest technology. KREHALON also has its own plate making department where the print images are transferred to the photo polymer plate using fully digital technology.

The fully automated printing press can print up to 10 colours on one or both sides.

With own designing and plate making KREHALON has full control over each step in the printing process thereby ensuring optimal flexibility and speed to fulfil customers' wishes.

IMPORTANT NOTES

1. Recommended shrink temperature for hot air tunnels is 200°C.
2. For hot water shower or dipping 95°C is recommended.
3. The ideal storage temperature is 15-25°C with an ideal R.H. of 50-60%. Temperature should not exceed 30°C. Avoid direct sunlight and contact with radiators and heating pipes.