

ML40 ★ BAGS

TECHNICAL DATA

Item	Conditions	Unit	ML40-G	ML40-I	ML40-K	ML40-MK	ML40-T	ML40-MU	ML40-MX	MLF40	MLF45
Thickness (approx.)		microns	40	50	70	70	90	90	110	40	35
Tensile Strength	L/T 23°C 50% RH	kgf/mm ²	14/15	13/14	11/12	13/14	11/12	14/15	12/12	10/10	8/8
Ultimate Elongation	L/T 23°C 50% RH	%	180/150	180/150	190/150	148/158	200/150	200/150	200/150	170/150	140/170
Secant Modulus	L/T 23°C 50% RH	kgf/mm ²	60/60	60/60	60/60	90/90	55/55	70/70	70/70	40/35	35/35
Haze		%	6	7	10	12	12	20	22	6	9
Gloss	L/T	%	130/120	130/120	120/110	120/110	120/110	120/110	120/110	130/120	110/110
Shrink	L/T at 90°C	%	35/40	35/40	35/40	31/35	35/40	30/35	30/35	40/45	32/33
Barrier											
- Water vapour	40°C 90% RH	g/m ² day	17	15	12	12	10	9	8	17	22
- Carbon dioxide	23°C 80% RH	cc/m ² day atm	100	100	100	100	100	85	85	800	1500
- Oxygen	23°C 80% RH	cc/m ² day atm	20	20	20	20	20	17	17	120	200

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

These values are typical values, they are not intended for use as limiting specifications.

PRESENT YOUR PRODUCTS IN AN EYE-CATCHING MANNER

KREHALON ML40 bags are designed for use in the meat, cheese, poultry, game and fish industries.

KREHALON ML40 bags will package, protect and present your products in an eye-catching manner.

With their shrink and superior optical properties KREHALON ML40 bags are designed to give a high strength and almost glass-like second skin to all your products.



Your partner in packaging solutions!

KREHALON INDUSTRIE B.V.

LONDENSTRAAT 10

7418 EE DEVENTER

P.O. BOX 414

7400 AK DEVENTER

THE NETHERLANDS

TEL. + 31 (0)570 624333

FAX. + 31 (0)570 505335

E-MAIL: SALES@KREHALON.NL

INTERNET: WWW.KREHALON.NL



KREHALON ML40 BAGS MULTILAYER SHRINK BAGS



**KREHALON
ML40 MULTILAYER
SHRINK BAGS
REPRESENT A NEW
GENERATION OF
MULTILAYER SHRINK BAGS
USING INNOVATIVE
MATERIALS AND
TECHNOLOGY.**

THEIR STRUCTURE PROVIDES A UNIQUE COMBINATION OF GAS AND MOISTURE BARRIER WITH SUPERIOR STRENGTH AND HIGH CLARITY.

IN ADDITION KREHALON ML40 HELPS TO MEET ENVIRONMENTAL CONCERNS FOR NON-CHLORINE CONTAINING MATERIALS AND LESS PACKAGING WASTE.



ADVANTAGES OF KREHALON ML40 NEW GENERATION SHRINK BAGS

COST REDUCTION

Less leakers, less rejects, less repacking.

HIGH STRENGTH

Gives high puncture resistance for the full range of shrink bag applications.

EXCELLENT SEALABILITY

KREHALON ML40 has a wide sealing range allowing strong seals in all environments.

OVERLAP SEALABILITY

Bags can be overlapped in the vacuum chamber without sticking together.

CLARITY AND GLOSS

KREHALON ML40 can protect and display your products to their best advantage with a near glass-like second skin.

WIDE RANGE

KREHALON ML40 bags are available in several types and thicknesses to suit all barrier shrink bag needs.

ENVIRONMENTAL

The use of new generation materials and technology gives all the above advantages and uses less volume of material so reducing packaging waste. KREHALON ML40 bags are made from chlorine-free material.

UV LIGHT BARRIER

KREHALON ML40 material gives excellent UV light barrier protection.

AVAILABLE COLOURS

MLF40 and MLF45 are available in white, four shades of yellow, orange, red, two shades of green, blue and black. Colours could be made if large quantities are required.

ML40 bags are available in various sizes with a round bottom seal, a straight bottom seal and with side seals. KREHALON ML40 bags are also available taped.

TYPES

KREHALON ML40 bags are available in the following types/thicknesses:

1. ML40-G

The standard approx. 40 micron bag, for all general purpose applications.

2. ML40-I

An approx. 50 micron thickness shrink bag for hard products.

3. ML40-K

An approx. 70 micron thickness shrink bag to suit more demanding applications.

4. ML40-MK

An approx. 70 micron bag, but with a higher puncture resistance than K.

5. ML40-T

An approx. 90 micron bag for very high abuse applications and some bone-in products.

6. ML40-MU

An approx. 90 micron bag, but with higher puncture resistance than T.

7. ML40-MX

An approx. 110 micron shrink bag for the most demanding applications including exposed bones.

8. MLF40

A modified gas barrier bag for cheese and other products requiring low CO₂ release.

9. MLF45

A modified gas barrier bag for cheese and other products requiring medium to high CO₂ release.

AVAILABILITY

Standard flat width sizes (mm): 165, 180, 200, 230, 250, 280, 300, 325, 350, 375, 400, 450, 500, 550, 600, 650.

NB: Please note all types may not be available in all the above widths or may require minimum extrusion quantities.

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. The recommended shrink temperature is 90-95°C.
2. Instead of heat sealing or clipping in a vacuum chamber, nozzle type clipping equipment can be used for ML40 bags.
3. The ideal storage temperature is 15-25°C with a relative humidity of 50-60%. Temperature should not exceed 30°C. Avoid direct sunlight. The best protection for ML40 bags is the original packaging, so please do not open the cartons until the bags are to be used, and follow the 'first-in-first-out' rule. The cartons of ML40 bags should not be stacked more than 7 high.

