

mo4



The mo-films Polyolefin® Type MO4 is a premium shrinkfilm based on Polyethylen, equipped with a high quality Polypropylen sealing layer. The extremely high gloss and the crystal clear surface, make the mo-films Polyolefin® shrinkfilms a perfect promoter of your products, on the Point of Sale.

The Type MO4 has the highest shrinking rate of the mo-films Polyolefin® assortment. With the additional low strength of the shrinkage, the film is able to pack complex applications like thin products, or products with an irregular shape. Based on the election of the highest quality of raw-materials, the MO4 even satisfy the customer's needs by a thickness of only 10 micron.



MO4

puncture resistance	_____	8/10
shrink rate	_____	10/10
shrinking strength	_____	4/10
transparency	_____	8/10
sliding properties	_____	3/10

YOUR CONTACT

mopack GmbH
Vogelsangstraße 26
72581 Dettingen
Deutschland

Telefon > +49 (0)7123 9746-0
Fax > +49 (0)7123 9746-50
Email > info@mopack.de

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	Unit	Typical values					Test method
CHARACTERISTICS							
STRENGTH	µm	10	12,5	15	19	25	ASTM D-374(C)
DENSITY	g/cm ³	0,920	0,920	0,920	0,920	0,920	
YIELD	m ² /kg	108,7	86,9	72,5	57,2	43,5	
LENGTH							
SINGLE WOUNDED	m	4.000	3.200	2.665	2.135	1.600	
CENTER FOLDED	m	2.000	1.600	1.332	1.067	800	
WIDTH							
SINGLE WOUNDED	mm	AS REQUIRED (150-2.000 mm)					
CENTER FOLDED	mm	AS REQUIRED (150-2.000 mm)					
CORE DIAMETER	mm	76 mm					
FILM PROPERTIES							
TENSILE STRENGTH	N/mm ²	105/105	105/105	105/105	105/105	95/95	ASTM D-882
ELONGATION	%	100/100	105/105	115/115	120/120	130/130	ASTM D-882
TEAR PROPAGATION RESISTANCE	g/cm ³	10.5	11.7	14.9	18.9	24.3	ASTM D-1922
SEAL STRENGTH	180°CN/15 mm	13.8	15.7	17.3	21.8	26.9	ASTM F-88
FREE SHRINK (110°)	%	61/65	59/63	55/61	53/60	52/58	ASTM D-2732
FREE SHRINK (120°)	%	75/74	73/72	72/71	70/69	68/68	ASTM D-2732
KINETIC COEFFICIENT OF FRICTION	film/film	0.15	0.15	0.16	0.15	0.14	ASTM D-1894
OPTICAL							
HAZE	%	1,2	1,2	1,4	1,9	2,4	ASTM D-1003
GLOSS	gloss units	140	140	143	148	148	ASTM D-2457

FOOD LAW APPROVAL

The polyolefin shrink film MO4 does meet the guidelines of the American FDA standards, as well as the European regulations (EG)1935/2004 and (EU)10/2011, it is therefore suitable for direct contact with food.

STORAGE CONDITIONS

For long time storage (more than 6 months), we suggest the following storage conditions:

- Storage Temperature from +15 to +25 °C.
- Room humidity from 50 to 70% relative humidity
- Goods, also if they are in origin packing, should not be exposed by any sun and UV-rays.
- Individual roles should be stored at least for 24 hours before use in the particular climatic conditions, in the production or processing area. In the cold season, at least 48 hours in advance.
- Do not store near heaters.
- Goods must be absolutely and at all times be protected from frost.