

mo1



The mo-films Polyolefin® Type MO1 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 MO1 has a high shrinkage rate, combined with a very high shrinking strength, which offers the optimum solution of a large numbers of shrinking applications. The medium sliding properties provides a perfect combination of a good machinability and an easy product handling after shrinkage.

mofilms®
POLYOLEFIN



MO1

puncture resistance	_____	7/10
shrink rate	_____	8/10
shrinking strength	_____	8/10
transparency	_____	10/10
sliding properties	_____	4/10

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

mo1

	Unit	Typical values						Test method
CHARACTERISTICS								
STRENGTH	µm	10	12,5	15	19	25	38	ASTM D-374(C)
DENSITY	g/cm ³	0,920	0,920	0,920	0,920	0,920	0,920	
YIELD	m ² /kg	108,7	86,9	72,5	57,2	43,5	28,6	
LENGTH								
SINGLE WOUNDED	m	4.000	3.200	2.665	2.135	1.600	1.052	
CENTER FOLDED	m	2.000	1.600	1.332	1.067	800	526	
WIDTH								
SINGLE WOUNDED	mm	AS REQUIRED (150 - 2000)						
CENTER FOLDED	mm	AS REQUIRED (150 - 2000)						
CORE DIAMETER	mm	76 mm						
FILM PROPERTIES								
TENSILE STRENGTH	N/mm ²	120/120	115/115	115/110	115/110	105/105	100/100	ASTM D-882
ELONGATION	%	95/95	100/100	110/110	110/110	120/120	130/130	ASTM D-882
TEAR PROPAGATION RESISTANCE	g/cm ³	9.8	11.7	14.9	18.9	24.3	36.3	ASTM D-1922
SEAL STRENGTH	180°CN/15mm	12.8	14.6	16.9	21.5	26.3	32.8	ASTM F-88
FREE SHRINK (120-140°)	%	62/63	60/62	59/61	59/62	58/61	58/60	ASTM D-2732
WATER VAPOR PERMEABILITY	g/m ² /24h	46	46	36	27	24	18	ASTM F-1249-90
KINETIC COEFFICIENT OF FRICTION	film/film	0.15	0.15	0.16	0.15	0.14	0.18	ASTM D-2732
OPTICAL								
HAZE	%	1,2	1,2	1,4	1,9	2,4	2,8	ASTM D-1003
GLOSS	gloss units	140	140	143	148	148	149	ASTM D-2457

FOOD LAW APPROVAL

The polyolefin shrink film MO1 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.