



Loma s.r.l. Piazzale Accursio, 4 - 20155 Milano - Italy
Tel. +39 02.3494142 - Fax +39 02.3494297
E-mail: info@lomasrl.com - Web: www.lomasrl.com

MEL

Product Class

Decorative melamine papers (for low and high pressure).

Description

MEL products are decorative papers impregnated with melamine or melamine-ureic resins, suitable for the furniture industry. The range includes products for ennobling chipboards or MDF version MEL BP, MEL BR-HR, MEL BP-HG, MEL BP ANTISTATIC, MEL BP ANTIBACTERIAL for low pressure or for the production of laminates HPL and CPL version MEL HP.

Generally, the use of MEL papers gives coated surfaces special characteristics of resistance against abrasion, scratch and chemical agents. The types MEL BP-HG allows to get a 100-gloss finishing about (specular brightness) through a press equipped with a specific plate. The version MEL BP-HR gives the coated surfaces a high resistance against abrasion, without using overlay and with a low grammage balancing paper.

Advantages

- Wide range of decors (reproduction of wood grain, fancy, plain colours etc);
- E1 class finishing at low emission of formaldehyde are possible;
- High superficial scratch resistance;
- High superficial abrasion resistance, particularly MEL BP-HR;
- High resistance against cold liquids;
- High resistance against water and steam

Applications

MEL BP, MEL BP-HG, MEL BP-HR (low pressure)

- Temperature of the press oil: $190^{\circ} \div 200^{\circ}\text{C}$;
- Running pressure: $20 \div 30 \text{ kg/cm}^2$;
- Pressing time: $15'' \div 45''$;
- Closing-time: max $3''$;

MEL HP (high pressure)

Conditions vary according to the plant.

The suggested conditions are purely indicative and must be adjusted according to the plant, the type of the chipboard and the type of the paper (grammage, dark or light décor). The use of our melamine papers for the production of fire-proof and water-proof chipboards are special applications and therefore tests before industrial production are recommended.

Available sizes

The product can be supplied in sheets or on rolls:

- Initial grammage: from 60 g/m^2 ;
- Standard widths: 125, 127, 132, 155, 188, 207, 215, 220 and 228 cm;
- Sheet length: from 2460 to 5600 mm



loma

Loma s.r.l. Piazzale Accursio, 4 - 20155 Milano - Italy
 Tel. +39 02.3494142 - Fax +39 02.3494297
 E-mail: info@lomasrl.com - Web: www.lomasrl.com

Technical characteristics

TECHNICAL PARAMETERS (1) - MEL			Carta melaminica per bassa pressione	Carta melaminica high gloss per bassa pressione	Carta melaminica ad alta resistenza per bassa pressione	Carta melaminica con proprietà antistatiche per bassa pressione	Carta melaminica dotata di attività antibatterica
PROPRIETA'		u.m./ classe/livello	BP	BP HG	BP HR	BP ANTISTATICO	BP ANTIBATTERICO
1	Grammatura iniziale: Acc. to DIN EN ISO 536	g/m	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
2	Resistenza alla graffiatura: Acc. to EN 438-2 punto 25.6	N	≥ 2.0	≥ 2.0	≥ 2.0	≥ 2.0	≥ 2.0
3	Resistenza alle macchie: Acc. to UNI EN 12720 classificazione secondo UNI 10944	Classe	A/B	A/B	A/B	A/B	A/B
4	Resistenza all'abrasione: Acc. to EN 438-2 punto 10.2 Classificazione secondo EN 14322	Classe	1	1	2	1	1
5	Resistenza al vapore acqueo: Acc. to UNI EN 14323 punto 5.11	Classe	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4
6	Resistenza al calore secco: Acc. to UNI EN 12722	Classe	5	5	5	5	5
7	Resistenza al calore umido: Acc. to UNI EN 12722	Classe	5	5	5	5	5
8	Tendenza a ritenere lo sporco: Acc. to UNI 9300	Classe	5	5	5	5	5
9	Resistenza alla luce: Acc. to EN ISO 4892-2	Scala lana blu	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
10	Rilascio di formaldeide: Acc. to UNI EN 717/2	mg/m²h	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3
11	Attività antibatterica: Acc. to JIS Z 2801:2000 / ISO 22196:2007	Riduzione log (%)	-	-	-	-	2.7 - 4.6 (99.8 - 99.9)
12	Proprietà antistatica: Acc. to EN 1815	Conf./non conf.	-	-	-	Conforme	-



loma

Loma s.r.l. Piazzale Accursio, 4 - 20155 Milano - Italy
Tel. +39 02.3494142 - Fax +39 02.3494297
E-mail: info@lomasrl.com - Web: www.lomasrl.com

PACKAGING AND STORAGE

All MEL papers are available on rolls and in sheets, protected by shock-proof packaging. Sheets are packed on pallets with covers or on wooden pallets. The rolls are available with vertical and horizontal packaging on pallet. MEL BP and MEL HP shelf life is of six months, if kept in the original packaging and at correct environmental conditions (relative humidity 55-60% and temperature 10-25°C). MEL BP-HG, MEL BP-HR papers and in general the metallized and the special variations of MEL papers preserve their characteristics unaltered for three months at proper environmental conditions (relative humidity 55-60% and temperature of 10-25 °C).

NOTES

The information contained in this document is based on our current knowledge and experiences. However, it cannot be considered as exhaustive, but purely indicative. We suggest testing the product in advance in your own plant.

Version 2017