

Recent Innovations at Manucor – Metallized Films for Packaging

As a company, Manucor focus is on delivering high quality specialty films solutions, maintaining strong customer relationships and providing the best service.

One of our latest investments, a new 3-meter Powermet metalizer, is supporting the increased market demand for Manucor metallized films. Our product offering covers a wide range of requirements, from decorative purpose to excellent barriers to moisture, gas and aromas, and we now hold a leading position in the markets for high performance metallized films.

With Manucor proprietary metallization technology associated to our enhanced skin technologies, we aim to replace alternative barrier structures which are either less performant or less cost-effective.

The most recent novelties to our metallized films portfolio include:

HIGH BARRIER FILMS:

- **SMML:** a metallized film designed for high speed HFFS applications. SMML uses a special technology platform having an ultra-low seal initiation temperature of 80° C along with a controlled low COF even at high temperature and provides a brilliant metallized appearance with strong metal adhesion and lamination bond strengths. In addition, the high barrier properties make it an excellent choice for demanding products in terms of protection and machine performance.
- **HBM:** a high barrier, heat sealable film with controlled slip and low COF. Designed for use as the inner web of extrusion or adhesive laminations with crazing and barrier degradation resistance properties. Its enhanced broad heat sealing range combined with an excellent seal strength, hot tack and mechanical properties make HBM suitable for use in vertical and horizontal heat seal applications with gas flushing.
- **HCM:** a high barrier metallized film designed for use as the inner web of adhesive laminates where superior oxygen and moisture barrier is required in HFFS applications. This is a multi-purpose film which can be used for standard heat seal applications as well as demanding cold-seal applications. The non-metallized layer can also be treated for cold seal adhesives designed for treated surfaces.

VERY HIGH BARRIER FILMS:

- **HWCM:** a very high barrier metallized white cavitated film designed for use in demanding cold seal applications. It provides outstanding cold seal adhesion without delamination. The very high barrier protection combined with a good puncture and flex-crack resistance of the film helps extending the product shelf life.
- **HBWM:** a very high barrier metallized white cavitated film designed with an enhanced ultra-low seal initiation temperature [SIT]. It can be used on high speed HFFS, VFFS and pouch machines with excellent machinability and will guarantee a high seal strength as well as an improved seal performance even through contamination in the sealing area. HBWM can be used for surface printed monoweb applications as well as the inner web of adhesive or extrusion laminations.
- **HWCM-2T:** a very high barrier metallized white cavitated film, two side treated. It is designed for use in demanding cold seal applications due to its excellent cohesive and adhesive bond strength between coextruded layers, and therefore it can be used in high end applications requiring easy opening and re-closability features.

MODERATE BARRIER FILMS:

- **S5MM:** a moderate barrier metallized film designed for use as the inner web of adhesive laminates. S5MM can be used for heat and cold seal applications, and can be lap sealed when laminated with our S2G/S5G coex. S5MM has an excellent metal adhesion and high mechanical properties. **The real breakthrough and challenge taken by Manucor is to guarantee an average 5 days delivery from order entry to respond to the needs of today's competitive and demanding markets.**

For further information on these and other Manucor films please contact Dr. Armando Vaccaro, R&D Manager at +39 (340) 199 2057 or your Manucor representative.

Manucor is a leading European BOPP Manufacturer with headquarters and manufacturing located at a single site in Sessa Aurunca, Italy. The Sessa Aurunca is the highest output production site of BOPP film in Europe. Manucor films are used in all segments of the food packaging, tape and label markets in Europe, the Middle East and other regions. More information can be found at www.manucor.com or email: info@manucor.com



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