



packaging
**hot melt
adhesives**

experience performance from our
hot melt adhesives for 'end of line'
packaging applications

waxes | adhesives | dispersions






 **paramelt**







experience. performance.




hot melt adhesives for 'end of line' packaging applications

Advantages of metallocene technology

Metallocene, polyolefin based hot melts have a number of distinct advantages over conventional EVA based adhesives, offering significant benefits in relation to the costs, quality and safety of your operations as summarised in the following table.

Features	Benefits		Specifics
APPLICATION benefits	High purity raw materials	More suitable for food packaging applications	 Enhanced package appearance  Direct food contact approval Reduced organoleptic impact
	Wide service temperature range	Final bonds are resistant to both high temperatures as well as deep freeze conditions	 Improved robustness and reliability in the logistics chain.  Potential to reduce the number of hot melts in use
Effective bonding	Bonds to a wide range of difficult substrate materials.	 Grades covering plain, printed, coated and lacquered boards	

Features	Benefits		Specifics
MACHINE operational benefits	Reduced adhesive consumption	10% lower density and enhanced bonding performance allow significantly lower consumption	 Direct adhesive consumption typically 20-40% less, depending on application.
	Excellent thermal stability	No gel or char formation resulting in reduced maintenance requirements	 Significantly reduced maintenance costs e.g. tank, hose, filters and nozzles.
	Outstanding viscosity stability	Adhesive runs continuously without the need to adjust machine settings	 Reduced operator intervention. Machine can be set for optimal adhesive dosage and placement.
	Optimal jetting performance	Consistent bead size and placement with less stringing or tailing.	 Reduced machine downtime for cleaning.  Improved package appearance
	Volatile free	No generation of odour or fumes	 Improved working environment

 cost saving
  quality improvement
  risk reduction

The products presented in this brochure are a selection from our comprehensive range

Hot melt selection guide

Paramelt has a comprehensive portfolio of hot melt adhesives to meet your cost & quality requirements for the packaging industry.

GENERAL PURPOSE

EVA based

PLASTOMELT 9473

EXCELTA 831

Metallocene

Both metallocene and EVA based products are available to cover most application and machine requirements in the fields of tray erecting, case and carton closing.

ADDITIONAL REQUIREMENTS?

APPLICATION

Deep Freeze Applications

PLASTOMELT 9066

ALL EXCELTA

Adhesion Promoted (difficult surfaces)

PLASTOMELT T 82

EXCELTA 813

High Heat resistance / Hot Fill

PLASTOMELT 9730

EXCELTA 804 PLUS

Sift Proof Applications

PLASTOMELT 8570

EXCELTA LM 2

Low Odour (pass chocolate Robinson test)

PLASTOMELT 9679

ALL EXCELTA

Low Cost General Purpose

PLASTOMELT 9396

EXCELTA 604

MACHINE

Long Open Time

EXCELTA 813

PLASTOMELT 8684

Fast Setting (for tray forming)

EXCELTA 804 PLUS

PLASTOMELT 9457

Low Viscosity

EXCELTA 807

PLASTOMELT 8570

Low Melt Temperature

EXCELTA LM 2

PLASTOMELT LM 100/120

High Hot Tack (for high spring back board)

EXCELTA 804

PLASTOMELT 9511

Typical hot melt properties

A summary of typical product and performance characteristics is given below. For more comprehensive information on a specific product, please request a copy of the relevant datasheet from us.

Product	Viscosity @ 160°C (mPa.s)	Open time	Setting speed	Colour	Application Temperature (°C)	
EXCELTA™ Metallocene	604	1750	short	fast	off white	160-175
	804	2700	short	fast	white	160-185
	804 plus	2600	short	fast	white	170-185
	807	900 (150°C)	medium	fast	white	130-160
	813	1500	long	medium	white	150-180
	831	1200	short	fast	white	160-185
LM 2	1800 (130°C)	medium	fast	white	120-160	

Product	Viscosity @ 160°C (mPa.s)	Open time	Setting speed	Colour	Application Temperature (°C)	
PLASTOMELT™ EVA based	8570	800	short	fast	light yellow	160-170
	8684	1500	short/med	fast	light yellow	150-170
	9066	1250	medium	medium	yellow	150-180
	9396	875	medium	fast	yellow	150-175
	9457	1850	short	fast	ivory	165-180
	9473	1400	short	fast	yellow	150-180
	9511	1500	short	fast	yellow	150-175
	9679	1250	short	fast	white	150-180
	9730	2500	short	fast	light amber	160-180
	LM 100	1200 (100°C)	short	fast	yellow	100-140
	LM 120	2000 (120°C)	short	fast	yellow	120-150
	T 82	1300	long	medium	light yellow	160-180





Paramelt Europe

Costerstraat 18, 1704 RJ Heerhugowaard
The Netherlands
t +31 72 57 50 600

Paramelt USA

2817 McCracken Street, Muskegon, MI 49441
United States of America
t +1 231 759 7304

Paramelt Asia

109 Sutong Road, Suzhou Industrial Park
Suzhou, Jiangsu 215021, China
t +86 512 6761 6618

www.paramelt.com

About Us

More than 100 years old, originally established in 1898, Paramelt has grown over the years to become the leading global specialist in wax based materials, including hot melt adhesives. Today Paramelt operates from 7 production locations around the globe in The Netherlands, USA and China. The company functions through a series of global business units providing a structured approach to the key market sectors in which we operate. For packaging applications, our full product offering includes waxes, adhesives and functional coatings. Serviced by both regional sales offices, as well as a comprehensive network of distribution partners, our customers can be assured of the highest levels of local service and support.

As a global specialist in hot melt adhesive technology, Paramelt are a strategic partner to many leading global brands providing not only a standard product range but also well known for custom and tailor made products. Paramelt possess extensive experience in the design and development of packaging hot melts to meet critical machine and application requirements. The company has built significant knowledge of performance aspects needed to make our adhesives effective at all stages of the supply chain. Our products are backed up by regional laboratories providing comprehensive application and analytical testing facilities to ensure selection of the most appropriate hot melt adhesive for your application.

Through our worldwide network, Paramelt is firmly integrated with the global supply chain for waxes, polymers and resins, providing a strong platform from which to ensure you the best possible continuity of supply and value for money. Built on a tradition of partnership and trust; underpinned by detailed knowledge gained over more than 100 years of operation, Paramelt can offer real benefits to your operation. Why not get in contact with us today and experience the performance we can bring to your business.

EXCELTA™ and PLASTOMELT™ are registered trademarks of Paramelt

Information and details given in this document, particularly any recommendations for application and use of our products are based on careful laboratory tests and prevailing practical experience and are believed to be correct at time of publication. The information is not binding, which is also generally true for our practical customer service, given verbally, in writing and by tests. Due to (possibly varying) conditions of transport, storage, process, substrate use or product application (which are beyond our knowledge and control), we strongly recommend to carry out sufficient tests in order to ensure that our products are suitable for the intended processes and applications. Further, it is the user's obligation to utilize this material with due care, in accordance with the information in the Material Safety Datasheet (and with the information given in any other way by Paramelt) and in full compliance with health, safety and environmental regulations. Whilst proper care has been taken in the preparation of this document, no liability for damage or injury resulting from its use is accepted, other than the limited liability which may arise towards a contractual party on the basis of Paramelt's conditions of sale (a copy of these conditions is available on request). Paramelt's acceptance of any orders for this product is expressly conditional upon purchaser's assent to these conditions of sale. No information contained in this document (nor any information given verbally, in writing and by tests) is to be construed as permission, recommendation or inducement by Paramelt or its officers, employees or affiliates, to use any product or process so as to infringe upon or conflict with any patent. Paramelt does not attest or guarantee that the use of its products or processes will not infringe upon any patent; user is responsible for verifying its freedom to operate in any jurisdiction.