

Bulk Hot Melt

# Adhesives Guide



# Working together to create long lasting bonds.

Power Adhesives manufactures a large range of bulk hot melt adhesives that are designed to be used across a number of industries and applications.

The Tecbond bulk product range covers packaging, product assembly, construction and industrial manufacturing.








Selecting the correct adhesive for an application depends on a range of factors, including substrates, application requirements and cost.

This guide is designed to aid the selection process by highlighting the key applications of each adhesive, and then listing the relevant data such as open time, viscosity and heat resistance so the adhesives can be compared and short listed for testing, based on the application.

Our technical services are always available to discuss any application requirements in more detail.



## Key for adhesive guide

-  **Chemistry**  
The polymer the adhesive is based on.
-  **Open Time**  
Time available after application to make a bond.
-  **Low Temp**  
Temperature at which the adhesive becomes brittle.
-  **Softening Point**  
(SP) Temperature at which adhesive starts to become molten.
-  **Heat Resistance**  
(HR) A guide to the heat resistance of the adhesive bond.
-  **Viscosity**  
Indication of how much the adhesive flows.
-  **Colour**  
The colour of the adhesive.

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Please be aware that some test readings can fluctuate based on the size and form of the adhesive.



## Creating long-lasting bonds

As a leading manufacturer of bulk hot melt adhesives, Power Adhesives has a long history serving diverse industries and applications. Our comprehensive product range covers packaging, pressure-sensitive and peelable adhesives, product assembly, woodworking, construction, electrical, and automotive applications, and with our state-of-the-art manufacturing capabilities, we deliver high-quality adhesives tailored to your specific needs.

Choose Power Adhesives for your bulk hot melt requirements and see for yourself the difference of working with an innovative, customer-focused adhesive manufacturer.



## Your technical support partners

At Power Adhesives, we pride ourselves on our exceptional technical support:

- ✓ **Technical service lab:** Offering in-house trials using your substrates, where we test different products and simulate a range of environmental conditions to determine the best fit for your application.
- ✓ **On site support and trials:** Our team of experts is always on hand to offer help, ensuring you find the perfect adhesive solution for your unique requirements.

## Taking on challenging applications

We specialise in problem-solving and thrive on tackling niche or difficult applications that other suppliers may avoid.

- ✓ **Hot melt experts:** Our trained and highly knowledgeable Technical and Sales staff are committed to working closely with you to find the best solution from our extensive range of hot melt grades.

## Serving lower-capacity needs

We understand that not all businesses require adhesives in the same large quantities. That's why we offer:

- ✓ **Variable minimum order quantities (MOQs):** Lower than other bulk manufacturers typically provide.
- ✓ **Quick and convenient service:** Coupled with fast order fulfilment, ensuring you receive the adhesives you need when you need them, without the burden of excessive stock.

## Leaders in hot melt technology

We are committed to constant improvement and innovation, ensuring that our products remain at the forefront of every market in which they're used.

- ✓ **Rigorous testing and development:** Our adhesive grades are specifically formulated for technical and engineering applications, as well as difficult-to-bond substrates.
- ✓ **Exclusive biodegradable technology:** We're proud to be industry leaders in biodegradable hot melts, offering key biodegradable options within our packaging grades.



# Packaging & Print

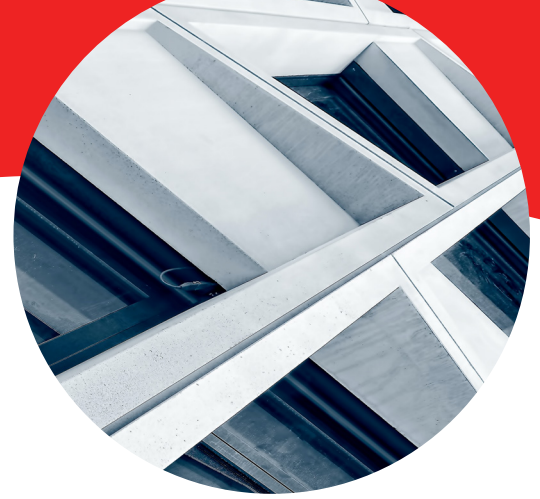


Featuring a selection of bio-based and biodegradable solutions, our packaging hot melts enhance packaging & print operations, offering increased efficiency, secure bonds and fast setting speeds. We provide solutions that work with every type of packaging material, including heat-sensitive substrates such as foams or expanded polystyrene.

Reference	Bulk Shape	Uses	Chemistry	Open Time	Viscosity/cPs @ 180°C	SP / °C	HR / °C	Low Temp / °C	Colour
5	Prill	Fast Setting packaging adhesive used in various surface packaging applications, 45% Bio Based.	EVA	10 seconds	1400	105	70	0	Pale Amber
99	Pillow	Pressure sensitive formulation with extremely high surface tack. Designed for use with XY plotters and difficult to bond substrates.	Rubber	Permanent	5200	99	65	-20	Brown
110	Prill	Very fast setting packaging adhesive. Can be applied as both a bead and spray.	EVA	10 seconds	850	115	80	20	Light Brown
110B	Prill	Biodegradable packaging adhesive with very fast setting speed. Can be applied as both a bead and spray.	EVA	10 seconds	850	115	80	20	Light Brown
214	Prill	Economical packaging adhesive designed for use on most paper & board substrates. Made with 45% bio based materials.	EVA	10 seconds	4200	104	75	0	Pale Amber
214B	Prill	Biodegradable packaging adhesive designed for use on most paper and board substrates. 45% Bio-based.	EVA	10 seconds	4200	104	75	0	Pale Amber
240	Prill	Versatile & cost-effective all-purpose adhesive - suitable for hot & low melt applicators.	EVA	30 seconds	7500	87	80	-10	Clear
248	Pillow	Acrylic based clear hot melt adhesive with good adhesion to a range of materials including wood, metal, plasterboard, fabrics and many plastics.	Acrylic	60 seconds	5000	90	75	-10	Clear
345	Prill	Exceptionally high instant grab metallocene-based packaging adhesive. Specifically designed for deep freeze applications.	PO	20 seconds	3000	106	80	-40	White
351	Prill	Low viscosity packaging adhesive for high volume applications. Clean running with low odour.	EVA	10 seconds	500	106	80	0	Off-White
355	Prill	High-performance metallocene-based packaging adhesive for all materials including difficult substrates. Clear-running with low odour.	PO	10 seconds	1000	113	85	-20	Off-White
802	Pillow	High performance peelable adhesive designed to bond many plastics with zero residue when removed.	Rubber	Permanent	4000	104	75	-30	Clear
803	Pillow	Economical peelable adhesive - Ideal for when the final bond is not visible.	Rubber	Permanent	1700	111	75	-40	Clear
901	Pillow	Clear pressure sensitive adhesive with high sheer strength - Lower viscosity allows it to be easily sprayable.	Rubber	Permanent	2800	96	65	-30	Clear
902	Pillow	Brown pressure sensitive adhesive with high tack for more demanding applications - Lower viscosity allows it to be easily sprayable.	Rubber	Permanent	2500	95	60	-20	Brown

**Can't find what you're looking for?** Contact us to find out more about our full range of Tecbond shaped and bulk hot melt adhesives, or speak to us about developing a bespoke hot melt to suit your requirements.





A key product for the construction industry, many of our bulk adhesives are present in building framework, interior fixings and even furniture. With the ability to bond every building material from wood through to thermal insulation foams, our adhesives stand as the reliable, cost-effective and user-friendly alternative to many other fixing systems.

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266	Pillow	Product assembly adhesive designed to bond difficult plastics such as polypropylene and polyethylene - High viscosity.	PO	40 seconds	8000	115	85	20	Pale Amber
267	Pillow	Product assembly adhesive designed to bond difficult plastics such as Polypropylene and polyethylene - Good heat resistance.	PO	40 seconds	3000	150	80	10	Pale Amber
271	Pillow	Long open time product assembly adhesive specifically designed to bond polypropylene and polyethylene - Good low temperature resistance.	PO	90 seconds	6700	145	65	-20	Off-White
272	Pillow	Short open time formulation for difficult plastics (including PP and PE). Class-leading high and low temperature resistance.	PO	30 seconds	4000	150	105	0	White
273	Pillow	Low viscosity, versatile product assembly adhesives with the ability to bond PP. Flexible final bond.	EVA	30 seconds	2400	85	75	0	Brown
280	Pillow	High-performance, long open time adhesive with flexible final bond. Designed for construction and product assembly applications.	PO	4 minutes	3300	81	70	-20	Pale Amber
410	Prill	Sprayable hot melt adhesive with low tack to aid in easy removal - designed for pallet stabilisation and tile spacing.	PO	30 seconds	3500	125	85	-10	Off White
420	Pillow	Off white spray adhesive, primarily used to bond multiple foam materials, fabrics and some plastics.	PO	3 minutes	4500	105	85	0	Off White
425	Pillow	Sprayable general-purpose adhesive, with extremely high tack, suitable for use on wood, many plastics (excluding PP & PE) and heat-sensitive materials.	PO	3 minutes	3000	105	80	10	Dark Amber
430	Pillow	Sprayable adhesive with a long open time. For use on foams, wood, boards, composite materials and some plastics (excluding PP and PE).	PO	6 minutes	4000	102	90	20	Off White
440	Pillow	Exceptionally high-performance sprayable hot melt adhesive for product assembly, tough packaging applications and difficult to bond foam.	PO	6 minutes	4200	105	85	0	Off White

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Drive efficiency in manufacturing with our hot melt adhesive solutions for diverse industries. Our high-specification formulations cover a multitude of applications including medical devices and machinery, foundry core assembly and white goods production. These formulations help companies to increase output, whilst cutting down on production costs.

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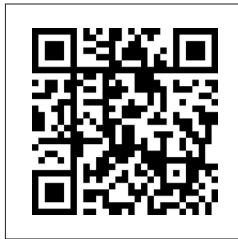


The foundation of many commercial products, our solutions have been redefining the assembly of both mass-produced and custom products. Present in everyday household equipment and automotive interiors, our adhesives empower manufacturers to streamline production by reducing the need for specialized adhesives and tools. Our versatile formulations can be used across a wide range of applications, making them an essential component in modern manufacturing.

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