

CorMelt 500

Sustainable, High-Performance Bio-based Hot Melt Polyamide Adhesive

CorMelt 500 is a high-performance hot melt polyamide resin adhesive, developed by Cornelius. Based on bio-based dimer acid chemistry, this versatile hot melt polyamide adhesive delivers proven performance while supporting the shift to sustainable materials in construction, road marking and industrial manufacturing.

Manufactured in Europe and backed by UK-based technical expertise, CorMelt 500 offers consistent quality, secure supply, and strong technical support.





Product Code: +D1003

Analysis	Specification	Mean Value	Standard Method
Acid Value - mgKOH/g	≤8	7.14	ASTM D465
Garden Colour	≤8	8	ASTM D1544
Viscosity 190°C/#27/100rpm - cP	1500-2800	1950	ME.S1.1.7

Key Performance Benefits:

- Consistent performance across variable temperature conditions.
- Low-temperature flexibility and adhesion to various plastic substrates.
- Low melt viscosity and application temperature.
- Smooth flow and clean application.
- Strong, flexible bonding.

Market Applications

- Road markings, including Pre-form.
- Packaging.
- Timber joinery.

A Sustainable Alternative for Modern Construction

Cormelt 500 is bio-based high performance alternative to fossil-based materials for the construction industry. Bio-based solutions offer durability while lowering environmental impact, for a greener, more sustainable future.

About Cornelius

Cornelius is an ISO 9001:2015, ISO 14001:2015 and ISO 45001 accredited UK-based manufacturer and specialty chemical distributor with deep expertise in methacrylate and organosilicone chemistry.

We provide:

- Reliable, regionally sourced supply.
- Responsive technical support.
- Process support tailored to your end-use requirements.

Our manufacturing operations are driven by:

- A dedicated Innovation & Technology department: supporting process optimisation, scale-up, and technical troubleshooting.
- An expert Engineering department: ensuring reliable, efficient plant operations and continuous process improvement.

Contact us to find out more or discuss any specific needs you might have for hot melt adhesives.

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