

# TECHNICAL DATA SHEET

## Fischer-Tropsch Wax ANW-W105

Neutral draft for commercial and technical evaluation

<b>Product code</b>	ANW-W105	<b>Chemical family</b>	Synthetic paraffin wax / Fischer-Tropsch wax
<b>CAS / EC No.</b>	8002-74-2 / 232-315-6	<b>Product form</b>	Microbead

### Product description

ANW-W105 is a very high melting Fischer-Tropsch wax supplied in microbead form. It is intended for industrial applications requiring high hardness, low oil content, and free-flowing handling in dry form. Typical reference end uses include casting wax, ink and coating systems, PVC, filler masterbatch, color masterbatch, and hot-melt adhesives.

### Typical technical data

Note: Values above are commercial reference data for grade description. Final released batch values should be confirmed by the lot-specific Certificate of Analysis (COA).

Property	Unit	Test method	Reference value
Drop melting point	°C	ASTM D127-08 / GB/T 8026-2023	105-110
Congealing point	°C	ASTM D938 / GB/T 28724-2022	≥95
Penetration (100 g, 25°C, 1/10 mm)	1/10 mm	ASTM D1321 / GB/T 4985-2021	≤3
Oil content	wt%	ASTM D721 / GB/T 3554-2008	≤0.5
Color, Saybolt	-	ASTM D156 / GB/T 3555-2022	≥15
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445 / GB/T 265-88	Report on COA

<b>Physical form</b>	-	Visual	<b>Microbead</b>
<b>Standard packing</b>	-	-	<b>25 kg bag</b>

<p><b>Key product features</b></p> <ul style="list-style-type: none"> <li>• Very high melting hard wax grade for elevated-temperature industrial use</li> <li>• Low penetration and low oil content profile</li> <li>• Microbead form allows dry, free-flowing handling</li> <li>• Suitable for casting, coating, polymer, and adhesive-related systems</li> </ul>	<p><b>Typical applications</b></p> <ul style="list-style-type: none"> <li>• Casting wax</li> <li>• Ink / coating</li> <li>• PVC</li> <li>• Filler masterbatch</li> <li>• Color masterbatch</li> <li>• Hot-melt adhesive</li> </ul>
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### Storage and handling guidance

- Store in a clean, dry, well-ventilated area away from direct heat, ignition sources, and strong oxidizing agents.
- Keep containers or bags closed when not in use to avoid contamination.
- If handled in molten form, avoid unnecessary overheating. For safe melting, personal protection, first-aid, and emergency measures, review the latest Safety Data Sheet (SDS).

**Commercial / compliance note**

- This document is a Technical Data Sheet and does not replace the Safety Data Sheet (SDS).
- Typical applications stated in this sheet are reference uses only and do not constitute a representation of regulatory approval or suitability in the customer's specific formulation, process, or jurisdiction.
- For EU, UK, or other regulated markets, product classification, label language, SDS supply, and registration or importer coverage must be confirmed for the actual legal entity and destination market before shipment.
- For personal care, pharmaceutical, food-contact, chewing-gum, or other regulated end uses, separate grade-specific compliance review and supporting documentation are required before commercial supply.

Disclaimer: The information in this sheet is intended to describe typical technical characteristics for product evaluation and commercial discussion. It should not be treated as a binding warranty or a substitute for customer qualification testing, SDS review, or contractual specification unless expressly agreed in writing.