

TECHNICAL DATA SHEET

Fischer-Tropsch Wax ANW-5601

Neutral draft for commercial and technical evaluation

Product code	ANW-5601	Chemical family	Synthetic paraffin wax / Fischer-Tropsch wax
CAS / EC No.	8002-74-2 / 232-315-6	Product form	Pellet

Product description

ANW-5601 is a medium-congealing Fischer-Tropsch wax supplied in pellet form. It is intended for industrial wax formulation and processing applications that benefit from low oil content, controlled hardness, and stable processing behavior. Typical reference end uses include container candles, pillar candles, moisture-resistant board wax systems, dipping wax for corrugated cartons, ceramic specialty waxes, 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
Congealing point	°C	ASTM D938 / GB/T 28724-2022	55-58
Penetration (100 g, 25°C, 1/10 mm)	1/10 mm	ASTM D1321 / GB/T 4985-2021	≤28
Odor	-	ASTM D1833 / SH/T 0414-2004	≤1
Oil content	wt%	ASTM D721 / GB/T 3554-2008	≤1.5
Color, Saybolt	-	ASTM D156 / GB/T 3555-2022	≥27
Kinematic viscosity at	mm ² /s	ASTM D445 / GB/T 265-88	Report on COA

100°C			
Physical form	-	Visual	Pellet
Standard packing	-	-	25 kg bag

<p>Key product features</p> <ul style="list-style-type: none"> • Medium congealing point grade with a practical balance of hardness and processability • Low oil content for cleaner formulation behavior • Pellet form for easier handling, feeding, and blending • Suitable for use as a performance or modifying wax in industrial systems 	<p>Typical applications</p> <ul style="list-style-type: none"> • Container candles • Pillar candles • Moisture-resistant board wax systems • Dipping wax for corrugated cartons • Ceramic specialty waxes • Hot-melt adhesives
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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.