

**DT WAX® A121**  
 Refined polyethylene wax

DT WAX® A121 is a high purity refined polyethelene wax. It adopts the advanced technical formula of Thailand dytech co.,ltd. It is refined by precision controlled polyethelene thermal cracking composite process, unique low molecular weight cutting technology, and innovative low-carbon refining process. A121 has high softening point, high whiteness, moderate viscosity, low odor and stable physical properties. The thermal stability of A121 is very close to that of high-quality polymer wax, and the thermal weight loss below 300 °C is much lower than that of ordinary polyethylene wax, which can better meet the lubrication and dispersion requirements during product processing. A121 is a general-purpose high-performance polyethylene wax with excellent properties of lubrication, dispersion, changing thermal properties and increasing melt fluidity. A121 has a high hardness, It has excellent application performance in wax emulsion , powder coating, PVC foaming, PVC external lubrication, road marking paint, hot melt adhesive, optical cable filling, stone plastic, wood plastic and other fields. It is widely used especially in the wax emulsion , powder coating, PVC foaming industry.

| Product Property   | Value     | Unit     | Test Method |
|--------------------|-----------|----------|-------------|
| Drop Point         | 121±5     | °C       | ASTM D3954  |
| Viscosity (@140°C) | 700±100   | mpa.s    | ASTM D3236  |
| Density            | 0.96±0.01 | g/cm³    | ASTM D1505  |
| Hardness (@25°C)   | Max1.0    | d.mm     | ASTM D1321  |
| Acid Number        | Nil       | mg KOH/g | ASTM D1386  |
| Color              | 55-70     | -        | ASTM E313   |

**Product Application:**

- Wax emulsion
- PVC foaming and PVC external lubrication
- Road marking paint
- Ink and paint
- Optical cable shielding and filling
- Power coating
- Rubber carbon black dispersion
- Modification of wax products
- Hot melt adhesive regulator
- Stone plastic and wood plastic

**Product Form、 Packing and Storage:**

- White powder .
- Paper plastic composite anti-counterfeiting packaging bag.
- Net weight: 20kg/bag.
- Store in a cool and dry place, avoid direct vision and prevent scratching by sharp objects.

Regulatory compliance of DT WAX<sup>®</sup> refined wax:

- US FDA 21 CFR 177.1520.
- RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.
- REACH (SVHC) 236-Regulation (EC) No 1907/2006 concerning the REACH.
- European Directive 94/62/EC and its amendments .
- US Model Toxics in Packaging Legislation (TPCH: Toxics in packaging Clearing House).

Each grade of DT WAX<sup>®</sup> refined wax complies with or partially complies with the above regulations. Please consult your sales representative for details and test report.

Authorized manufacturer of DT WAX<sup>®</sup> refined wax:

- DYTECH CO., LTD.

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- JOYVISTA NEW MATERIALS (ZHEJIANG) CO.,LTD.

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Chinese factory is the global export manufacturing base of DT WAX<sup>®</sup> refined wax.

Disclaimer: The instructions, information and data given in this TDS are accurate and reliable in our opinion, but we do not guarantee this and do not assume any direct or indirect responsibility, because many factors will affect the processing and application of our products. Therefore, it can not replace the user's own test of the product. The actual data shall be subject to the COA and MSDS of the goods delivered by our company.

DT WAX<sup>®</sup> refined wax is only recommended for industrial products. Applications in special industries such as food, medicine and cosmetics require further safety certification by customers and can be used only after compliance is confirmed. DT WAX<sup>®</sup> refined wax production bases are located in Thailand and China. Please consult the promotion agents or sales representatives for details. ©2022 by dytech co., Ltd.

Version of product technical data sheet:

Dear customers, this TDS is version 2.0. TDS will be updated with the product update iteration. Our company does not make special announcements and notices. Please consult your customer representative for the latest version of TDS.