ExxonMobil

# Prowax™ 411

ExxonMobil Specialties , Taiwan

## Product Description

Prowax 411 is a low-range melting point product in the Prowax line of petroleum slack and scale waxes. It is a translucent crystalline material in the solid state and a straw yellow-to-amber, clear liquid when molten. It is derived from petroleum via a carefully controlled refining process. Prowax 411 is comprised of a mixture of straight chain normal paraffin and branched, iso-paraffin hydrocarbons.

ExxonMobil waxes are produced and controlled according to the ExxonMobil Product Quality Management System, EN ISO 9000 or equivalent standard.

## Applications

Prowax 411 can be used in the following applications subject to applicable laws and regulations in each jurisdiction*:

- Candles wax blends
- Wax emulsions
- Wax blends

* User must check compliance with applicable regulations

## Properties and Specifications

| Property | Standard Method(a) | Min | Max |
|---|---|---|---|
| ASTM Color by Auto Tristimulus | ASTM D6045 | | 1.0 |
| Flash Point, Cleveland Open Cup, °C | ASTM D92 | 204 | |
| Kinematic Viscosity @ 100 C, mm2/s | ASTM D445 | 3.5 | 4.5 |
| Melting Point, °C | ASTM D87 | 51.0 | 56.0 |
| Oil Content, wt% | ASTM D721 | | 5.0 |

Note 1: Products are certified on release to meet the values specified. Actual values may deviate within the established reproducibility of the test method specified.

Note 2: For purpose of determining conformance with specification, observed or calculated values shall be rounded off to the nearest unit in the last significant digit used in expressing the limiting value in accordance to the ASTM E 29 method

(a) In lieu of standard test method, alternate test methods may be used for the certification of a product property.

## Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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