ExxonMobil

# Parvan™ 1451

ExxonMobil Specialties , Rep South Africa

## Product Description

Parvan 1451 is a high-range melting point product in the Parvan line of fully refined paraffin waxes. Parvan waxes meet the requirements for most industrial wax applications and meet applicable Food and Drug Administration (FDA) requirements for food, health and cosmetic-related uses. Parvan 1451 is a translucent crystalline material in the solid state and a water white, low viscosity, clear liquid when molten. It is derived from petroleum via a carefully controlled refining process and is primarily comprised of straight chain normal paraffin hydrocarbons, which impart excellent gloss and water repellent properties. Resistance to most acids and alkalis is good. The low oil content ensures that Parvan 1451 does not stain coated materials.

Parvan 1451 contains an FDA approved oxidation inhibitor to enhance the natural resistance to oxidation.

Parvan waxes are biodegradable under composting conditions†

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

†Parvan waxes are biodegradable according to ASTM D6400-12 using ASTM D5338-11

## Applications

Parvan 1451 can be used in the following applications subject to applicable laws and regulations in each jurisdiction*:

- Candles
- Wax blends and emulsions
- Paper converting
- Paper cup and package coatings
- Cosmetic formulations
- Polishes and paste waxes
- PVC lubricants
- Adhesives
- Crayons
- Sun-checking waxes for rubber and tires

* User must check compliance with applicable regulations

## Regulations and Claims

| This product meets or exceeds the requirements of: |
|---|
| ASTM Biodegradable according to ASTM D6400-12 using ASTM D5338-11 |
| FDA 21 CFR 178.3710 |

## Properties and Specifications

| Property | Standard Method(a) | Min | Max |
|---|---|---|---|

| Property | Standard Method(a) | Min | Max |
|---|---|---|---|
| ASTM Saybolt D156 Color (ASTM D6045 Acceptable) | ASTM D6045 | 28 | |
| Flash Point, Cleveland Open Cup, °C (F) | ASTM D92 | 210(410) | |
| Melting Point, °C (F) | ASTM D87 | 61.1(142) | 63.9(147) |
| Odor, Wax | ASTM D1833 | | 1 |
| Oil Content, wt% | ASTM D721 | | 0.75 |

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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