

	PRODUCT TECHNICAL SPECIFICATION	No.	WT-2004/LP-14
	Application wax	Edition no.	13
		Date (last actualization)	September 25th, 2018

1. INTRODUCTION

1.1. Subject. The subject of this document is application wax, which is a blend of high-molecular hydrocarbons, in majority n-paraffin and iso-paraffin. Product is purified in contact absorption process.

1.2. Range of the WT subject usage. The product is used mainly in candle making branch for application production and as a plastical additive in other industrial branches.

2. LABELLING

2.1. Labelling examples

Wosk do aplikacji niskotopliwy	WT-2004/LP-14
Wosk do aplikacji wysokotopliwy	WT-2004/LP-14

3. QUALITY REQUIREMENTS AND TEST METHODS

3.1. Standard parameters and test methods – according to the table 1.

Table 1. Quality requirements valid for each batch of product.

Parameters	Unit	Application wax parameter value		Test method
		Low melting point	High melting point	
a) Drop melting point	°C	not evaluated	65-80	PN-ISO 6244:2012 ASTM D 127
b) Congealing point	°C	min. 45	not evaluated	PN-ISO 2207:2011 ASTM D 938
c) Flash point	°C	min. 180		PN-EN ISO 2592:2008 ASTM D 92-97
d) Oil content	%(m/m)	max. 3	max. 5	PN-C-04160:1980 ASTM D 721-97
e) Needle penetration at 25 °C	1/10mm	45-75		PN-C-04313:2018 ASTM D 1321
f) Mechanical impurities and water content	-	not present		PN-C-96115:1974
g) Colour	-	max. 1		ASTM D 1500
h) Appearance	-	white to light yellow homogenous mass		visual
i) Fraas temperature of breaking	°C	not evaluated	max. -10	PN-EN 12593:2015

3.2. Sample taking – according to PN-EN ISO 3170:2006.

4. PACKAGING, STORAGE AND TRANSPORTATION

4.1 Packaging. Application wax is stored in the following way:

- Liquid loose in heated storage tanks,
- Cardboards 20 kg.

The method of packaging and storage is in accordance with the regulations of transportation of petroleum products described in national and international transportation law.

It is admitted to use other kind of packages previously agreed between recipient, producer and carrier, in condition that product is protected well.

On each package should be placed a label with at least following information:

- a) producer name,
- b) address of producer
- c) labelling according to the point 2.,
- d) mass net or volume,
- e) date of production,
- f) control number.

4.2 Storage. Application wax should be stored in temperature not higher than 25° C, in closed packages in a shaded places protecting against direct access of sun (UV radiation), humidity and mechanical impurities, far from heat radiators. Shelf Life of the product stored in accordance with the above guidelines is 5 years.

4.3 Transportation. The product is not classified as dangerous when shipped by all means of transport and is not a subject of the transportation regulations RID/ADR.

5. ADDITIONAL INFORMATION

5.1. Institution preparing WT: Polwax S.A., Jasło, Poland.

5.2. Standards and referenced documents

PN-EN ISO 3170:2006 Petroleum liquids. Manual sampling.

Other standards related: table 1.

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