

	<b>PRODUCT TECHNICAL SPECIFICATION</b>	<b>No.</b>	<b>WT-2005/LP-32</b>
	<i>Wax for rubber</i>	<b>Edition no.</b>	<b>11</b>
		<b>Date</b> (last actualization)	<b>September 25th, 2018</b>

## 1. INTRODUCTION

**1.1. Subject.** The subject of this document is wax for rubber obtained in blending process of paraffin slack waxes and microcrystalline wax.

**1.2. Range of the WT subject usage.** Wax for rubber is used as an component of rubber mixture protecting ready product against ozone, light, decolourisation and scaling off.

## 2. LABELLING

### 2.1. Labelling examples

Wosk do gumy      WT-2005/LP-32

## 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 the product.

Parameters	Units	Wax for rubber Parameter value	Test method
a) Congealing point	°C	55-65	PN-ISO 2207:2011 ASTM D 938
b) Flash point	°C	min. 180	PN-EN ISO 2592:2008 ASTM D 92
c) Oil content	%	max. 4,0	PN-C-04160:1980 ASTM D 721
d) Mechanical impurities and water content	-	not present	PN-C-96115:1974
e) Kinematic viscosity at 100°C	mm <sup>2</sup> /s	Evaluated, indicated in certificate	PN-EN ISO 3104:2004 ASTM D 445
f) pH of water extract	-	neutral	PN-C-04064:1984
g) n-paraffin content (GC method)	%	max 50	ASTM D 5442

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

## 4. PACKAGING, STORAGE AND TRANSPORTATION

**4.1 Packaging.** Wax for rubber is stored in a following way:

- Liquid loose in heated storage tanks,

- Granules or pastilles in a polyethylene bags 20 kg on a wooden pallet 600 kg,
- Slabs in cardboard 24 kg or on a wooden pallet 1000 kg,
- 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.** Wax for rubber point should be stored in temperature below 25°C, in closed packages in a shaded place protecting against direct access of sun, humidity and mechanical impurities, far from the 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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