



## **SPECIFICATION**

Active substance specification No. 040-01

Date: August 13, 2002

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### **Isobond P-68**

Product No. 040

CAS No. 101-65-5

Specification replaced: -

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Checked by: Dr. Müller

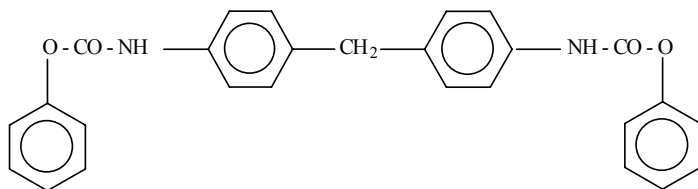
### **1. Description**

68 % wet cake of phenol-blocked diphenylmethan-4,4'-diisocyanate

#### Chemical name

wetcake of 4,4'-methylene-bis(phenyl carbanilate)

#### Structural formula



#### Empirical formula

$C_{27}H_{22}N_2O_4$

#### Molar mass

**438.48 g/mol**

#### Odour

Slight phenol-like

#### Melting point

180 – 190 °C

#### Appearance

White, moist powder

## 2. Manufacture

By reaction of phenol with diphenylmethan-4.4'-diisocyanate.

## 3. Application

The product is used as an adhesion promoter for polyester tyre cords and reinforcing fabric. It is used either in a pre-dip in combination with water soluble epoxide resin or as an additive to the RFL dip.

## 4. Storage Stability

Stable for 4 years when stored in a cool, dry place away from any direct sources of heat and light.

## 5. Technical Demands

<u>Test parameter</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Test method</u>
Appearance	white to yellowish wetcake		
Melting point [°C] *	180	190	Boetius
Free NCO content [%] *	-	0,1	Titration
Heat loss [%]	29	35	Moisture analyzer MA 30 (Sartorius)

\* run on dried sample