

# Pano PVC-Compound U

## Migrationdata according VO EU 10/2011

**Designation:** will be communicated under request

**Description:** Sealing-gasket based on PVC with plasticizer ESBO

### 1. Closure-specific global migration

**For closures types:** TWO, TWS, TSB, TOB, DTO, DOB, DRO, DDO

**Conditions:** 1 h 130°C and 10 d 40 °C

Diameter [mm]	SimulanztB 3 % Acetic acid		Simulant D1 50% Ethanol		Simulant D2 Olivenöl	
	Average global migration [mg]	Mimum jar volume 60 mg/kg [ml]*	Average global migration [mg]	Mimum jar volume 60 mg/kg [ml]	Average global migration [mg]	Mimum jar volume 60 mg/kg [ml]
48	1,8	30	Conditional application	Conditional application	Conditional application	Conditional application
53	2,0	35				
58	2,4	40				
63	2,7	45				
66	2,8 (M)	47				
70	3,0	50				
77	3,3	55				
82	3,6	60				
89	3,9	70				
100	4,5	75				

(M); measured value; the other alues are calculated based on compound-contact-areas.

\*For no common container-size it is expected that the migration-limit may be exceeded.

### 2. Specific migration

#### Substances with a specific migration limit

The compound contains following substances with a specific migration limit:

FCM	PM-Ref	Bezeichnung	CAS-Nr.	Beschränkung
106	89040	Zinc salts of a fatty acid	557-57-1	SML = 25 mg/kg
127	26050	Vinyl chloride	75-01-4	QM = 1 mg/kg
138	93760	Tributy lacetyl citrate (ATBC)	77-90-7	SML = 60 mg/kg
511	91920	Barium sulfat (as Barium)	7727-43-7	SML = 1mg/kg
532	88640	Epoxy-enhanced Soybeanoil	8013-07-08	SML = 60 mg/kg

The compound contains furthermore components where the generic SML of 60 mg/kg according art. 11 (2) can be applied. The identity of these components is confidential but may be communicated to independent testing institutes in necessary cases.

**Based on the tests applied considering the restriction under No.1 there is no exceedance of the limits expected.**

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### 3. Final Evaluation of the migration results

Assumed that the compound will be used for a closure with a diameter of 66 mm on a 200 ml size jar with a total inside surface of 195 cm<sup>2</sup> and a food contact area of 5 cm<sup>2</sup> following data can be calculated

**Conditions: 1h 131°C° and 10 d 40°C**

Simulanz	mg/ Verschluss	mg/dm <sup>2</sup>	mg/kg Lebensmittel
B 3% Essigsäure	2,8	1,4	14

In general every type of compound has to be tested on its suitability for the individual food.

### 4. DUAL USE Additives

The compound contains according its formulation following substances which may also be used as food-ingredients

FCM	PM Ref	Substance	CAS-No.	E-No.
575	76721	Polydimethylsiloxane	9016-00-6, 63148-62-9	E 900
610	93440	Titanium dioxide	13463-67-7	E171