

ONGROPACK KFT

Identification number.: OPTS-51/2012

**Product Specification****Product: ONGROFOAM ULTRA free foamed solid PVC sheet****Quality requirements:**

№	Analysed Parameters	Unit	Requirements of Approval	Standards, methods
1.	Appearance	-	<p>The surface is homogeneous, structured consistently coloured.</p> <p>The colour matches with the etalon.</p> <p>The cutting surfaces are without/free from chips, splits and sawdust.</p> <p>Checking of the surface quality should be carried out by scrutiny from the distance of 1 m at right angles to surface in natural adequate light. With this scrutiny the surface is free from optical defects, streaks of light. The sheet is perfect flat</p> <p>The quality of the top and back side of the sheets might be different due to the technology.</p> <p>In order to protect the surface quality we use protective film.</p>	OPV-009
2.	Dimensions			OPV-010
2.1.	Thickness (S)	mm	2-19	
2.2.	Thickness tolerance	mm	$S \leq 15 \quad S \pm (0,1 + 0,05S)$ $S > 15 \quad S \pm (0,1 + 0,03S)$	
2.3.	Length	mm	2000 +5; -1 2440 +5; -1 3050 +6; -1	
2.4.	Width	mm	1000 + 2,5; - 1,0 1220 + 2,5; - 1,0 1560 + 3,0; - 1,0 2020 + 3,0; - 1,0 2050 +3,0; -1,0	

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3.	Density	g/cm <sup>3</sup>	~0,50	MSz EN ISO 1183
4.	Deviation from the right angle	mm	max. 3 mm/1000 mm	OPV-012
5.	Tensile strength	MPa	>10	MSz EN ISO 527-1 527-2 527-3
6.	Colour deviation		$\Delta E \leq 1,5$	DIN 6174
7.	Storing		Sheets have to be stored in dry place with good airing. The product has to be protected against exposure like sunshine and damp. Due to exaggerated temperature the sheets might deform. This fact has to be taken into consideration during the logistics processes. There can be max. 6 pallets taken on the top of each other.	

Note: We have our final products/sheets measured and got values in points 3 and 5, which are informative. All properties depend on the manufacturing process and the thickness of the sheets, so we can not accept responsibility for results obtained from the use of this information.

In case of any problem please contact: [sheetservice@ongropack.hu](mailto:sheetservice@ongropack.hu)

Date: 2012-08-23

Issue: 8.

Amendments: the name of product

Validation:

Issued by:: Motkóné Lauer Katalin Head of QA

Countersigned : Szabó Gyula managing director