

Product Specification

Product specification regarding plastic crates for Stichting VersFust.

Code : CBL - 8	QA-plan nr. : Gen. QA-plan SWS 20.03.03
Spec. nr. : CBL – 8.001	Drawing nr. :
Revision : 1 of 20.03.2003	LOR nr. : PVE CBL-8 26.02.03 vers. 4
Replaces :	

GENERAL

Material	:	High Density (>0,96) Polyethylene (HDPE)
		- stabilised (UV/thermal)
		- in accordance with the EU Packaging legislation
Colour	:	Pantone 426 (see chapter 2.4 in Gen. QA-plan)
Hot stamp dot	:	yes
	Colour dot	: white according to reference sample
Identification tag	:	yes
	Type tag	: Acoustic Magnetic (AM)

TECHNICAL CHARACTERISTICS

Method	Parameter	Unit	Target	Tolerances		Actual
				Lower	Upper	
6.1	Dimensions					
	- upper width	mm	300	298,5	301,5	
	- upper length	mm	400	398,0	402,0	
	- bottom length	mm	400	398,0	402,0	
	- bottom width	mm	300	298,5	301,5	
	- inside width	mm	266	264,7	267,3	
	- inside length	mm	366	364,2	367,8	
	- stacking height	mm	76,6	75,4	77,4	
	- total height	mm	86,6	85,8	87,4	
6.2	Weight	gr.	585	-1%	+1%	Virgin
				-2%	+2%	Regrind
6.3	Visual inspection			no defects (see method)		
6.4	Stress cracking			no cracks or deformations (see method)		

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PRODUCT VALIDATION TESTS

Method	Parameter	Target	Dummy material	Dummy weight
6.5	Drop test	1,5 m	HDPE grains	4 kg
6.6	Inclined impact drop test	see test spec.	HDPE grains	4 kg
6.7	Quick compression test	15 kN		
6.8	Long duration test	ok, 7 days		160 kg
6.9	Bottom stability test		HDPE grains	4 kg
	- max. bottom deflection	4 mm (after 168 h, 23°C)		
	- max. residual deflection	2 mm (after 24h relaxation)		
	- max. deflection opposite edges	<i>to be defined after first tests</i>		
6.10	Heat resistance test	see method		
6.11	Identification tag test	see method		
6.12	Hot stamp dot test	n.a.		
	- tape test	printing should not detach		
	- sodium hydroxide test	no scratches that cut through the outer printer layer		
	- teepol test	printing should not detach after tape test		
	- high pressure test	printing should not detach after tape test		
6.13	Tensile impact test	n.a.		
	after ageing	> 70%		