

**Bilcare Staufen GmbH – Specialty Films Solutions -  
Tolerances and Standard Rules**

No	Description	Norm
01	<b>Thickness tolerances</b> % (+/-)	< 200 µm = +/- 10%, 200 - 400 µm = +/- 7%, >400 µm = +/- 5% The thickness is measured including the peaks in case the film is matt or embossed <b>Values apply to 95% of all measurements</b>
02	<b>Tolerance of master sheets</b> (If sold as master sheets)	<b>Width</b> ..... - 0.5 mm / + 2.0 mm <b>Length</b> ..... - 0.0. mm / + 4.0 mm
03	<b>Tolerance slit reels</b>	<b>Width</b> ..... : +/- 0.5 mm * <b>Length</b> ..... : +/- 10 % in m * <b>Diameter</b> ....: +/- 10 % in mm * <b>Weight</b> .....: +/- 10 % in kg * *or the corresponding non-metric unit
04	<b>Reel labels</b>	Reels are marked with a <b>reel label</b> on the <b>outer diameter</b> . An inside core label is available upon request
05	<b>Tolerance of slit sheets*</b>	<b>Length</b> ..... : +/- 0.5 mm <b>Width</b> ..... : +/- 0.5 mm <b>Squareness:</b> <b>Specialties Products</b> ..... : +/- 1.2 mm/m
06	<b>Packing of sheets</b>	Bulk (no parcel packing) Parcel packing upon request Tags upon request
07	<b>Palletizing</b>	<b>Disposable wooden pallets</b> Euro-Pallets or plastic pallets upon request <b>Pallets are bigger than their load</b> <b>Reels are loaded with cores horizontal if:</b> <ul style="list-style-type: none"> <li>• size is &gt;= 1000 mm or</li> <li>• size &gt; 780 mm and outer diameter &lt; 201 mm</li> </ul> <b>Reels are loaded with cores vertical if</b> <ul style="list-style-type: none"> <li>• size &lt; 1000 mm</li> </ul>
08	<b>Double stacking of pallets</b>	<b>Reels</b> : are not suitable for double stacking, if not explicit mentioned  <b>Sheets</b> : should not be considered as suitable for double stacking, if not explicit mentioned
09	<b>Quantity tolerance</b>	<b>Order – Item – Quantity</b> <ul style="list-style-type: none"> <li>• 500 - 4999 kg : max over/undermakes 10 %</li> <li>• &gt; 5000 kg : max over/undermakes 500 kg</li> </ul>

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## Tolerance of master and slit sheets at Weissandt-Gölzau

transparent, white (Standard-colors ex Staufen)		
surfaces: 2020 gls/gls, 2021 gls/gls-grob1, 3041 smt/cmt-grob1, 3043 smt/cmt-fine		
thickness: 200-450µm		
	<b>master sheets</b>	<b>slit sheets</b>
<b>max. width</b>	1650mm	1600mm
<b>max. length</b>	2700mm	2300mm
<b>tolerance</b>	width: -0/+2mm	width: -0/+2mm
	length:-0,+10mm	length:-0,+4mm
<b>angle tolerance</b>	4mm/m	2mm/m

Remark:: stacking of master sheets less precise than slit sheets