

# Technical Information – **Laminates, Films, Security.**

Made by Sihl

**THERMAL**  
TECHNOLOGY

Sihl brings information to life.



Quality	Grammage (g/m <sup>2</sup> )	Thickness (µm)	Smoothness (Bekk) (s)	Brightness (%)	Sensitivity	Durability (years*)
<b>Laminates</b>						
V-Top 175	175	160	> 200	89	high	12
V-Top 220	225	245	> 100	89	high	12
V-Top 390 N	370	380	> 200	92	high	12
TOP 80/36/82 PTT gloss	215	180	> 200	87	standard	12
TOP 80/40/50 OS	170	185	> 200	85	standard	12
TOP 80/75/82 PTT gloss	270	220	> 200	85	standard	12

<b>Films</b>						
SR-115 WP	120	120	> 500	83	standard	12
SR-175 K1 <sup>1)</sup>	190	165	> 400	90	standard	12
SR-200 K1 <sup>1)</sup>	225	190	> 400	90	standard	12
SR-220 K1 <sup>1)</sup>	260	215	> 400	90	standard	12
SR-270 K1	330	265	> 400	90	standard	12

<b>Security</b>						
ST 100 FWZ <sup>1)</sup>	120	120	> 90	80	standard	7
ST 160 CC-R	165	160	> 600	87	high	12
ST 190 CC-R	185	185	> 200	81	high	12
ST 190 CC-B	195	190	> 200	81	high	12
TOP 64/39/50 OE	170	185	> 200	87	standard	12
TOP 99/100/170 PC	400	370	> 200	86	standard	12

Subject to changes/August 2007

\*If the storage and handling advices are followed

1) Product under development

The above mentioned values for physical characteristics are average values. Please see our technical data sheets for detailed information.

Resolution	DC	Colour	Description	Typical Applications
200 - 300 dpi	●		<ul style="list-style-type: none"> <li>● good resistance</li> <li>● excellent reverse side printability (4-colour)</li> <li>● high stiffness</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Industrial Tickets</li> </ul>
200 - 300 dpi			<ul style="list-style-type: none"> <li>● good resistance</li> <li>● high stiffness</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Parking Tickets (approved by Skidata – see Skidata recommendation list)</li> <li>● Industrial Tickets</li> </ul>
200 - 300 dpi			<ul style="list-style-type: none"> <li>● good resistance</li> <li>● high stiffness</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets</li> <li>● Industrial Tickets</li> </ul>
200 dpi	●		<ul style="list-style-type: none"> <li>● good resistance</li> <li>● excellent reverse side printability (4-colour)</li> <li>● high stiffness</li> <li>● tear-resistant</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Industrial Tickets</li> </ul>
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200 dpi	●		<ul style="list-style-type: none"> <li>● good resistance</li> <li>● excellent reverse side printability (4-colour)</li> <li>● high stiffness</li> <li>● tear-resistant</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Industrial Tickets</li> <li>● Multi-use Transport Tickets for buses and trains</li> </ul>

200 dpi		white	<ul style="list-style-type: none"> <li>● good resistance</li> <li>● tear-resistant</li> </ul>	<ul style="list-style-type: none"> <li>● Swing tags</li> <li>● Tags of all kinds</li> </ul>
200 dpi		white	<ul style="list-style-type: none"> <li>● good resistance</li> <li>● tear-resistant</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Industrial Tickets</li> <li>● V.I.P. passes and membership cards</li> </ul>
200 dpi		white	<ul style="list-style-type: none"> <li>● good resistance</li> <li>● tear-resistant</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Industrial Tickets</li> <li>● V.I.P. passes and membership cards</li> </ul>
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200 dpi			<ul style="list-style-type: none"> <li>● good resistance</li> <li>● stampable</li> <li>● watermark</li> <li>● UV-fibres</li> <li>● instant verification</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> <li>● Transport Tickets for buses and trains</li> </ul>
200 - 300 dpi	●		<ul style="list-style-type: none"> <li>● good resistance</li> <li>● coloured centre</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> </ul>
200 - 300 dpi			<ul style="list-style-type: none"> <li>● good resistance</li> <li>● coloured centre</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> </ul>
200 - 300 dpi	●		<ul style="list-style-type: none"> <li>● good resistance</li> <li>● coloured centre</li> </ul>	<ul style="list-style-type: none"> <li>● Admission Tickets for theatres, sports etc.</li> </ul>
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Indonesia	Syria
Iran	Taiwan
Italy	Thailand
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Malaysia	Vietnam