



# CAPILLARY INFORMATION CHART

## Capillary films and their technical characteristics

<b>FOTECAP</b>	<b>TOPAZ</b>						<b>S</b>	<b>ZIRCON</b>			<b>ZIRCON</b>		
SALES PROGRAM	4118	4122	4125	4128	4135	4150	4512	4615	4620	4625	4815	4825	4800
<b>Characteristics</b>							CD/UV				IP	IP	SUPER
<i>Film thickness in micr.</i>	18	22	25	29	40	52	12	17	22	27	15	25	100
<i>Minimum thread No. for polyester mesh / cm</i>	140	120	90	77	72	34	150	150	120	90	150	90	21
<i>Minimum thread No. for metal mesh / inch</i>	300	280	250	230	200	110	400	325	250	200	400	200	80
<i>Resolution in micr. on yellow mesh</i>	40	40	50	60	70	100	30	35	40	60	30	50	100
<b>Resulting stencil thickness</b> on polyester mesh							<b>S</b>	<b>= SAPHIR</b>					
<b>43-80</b>						12							35
<b>77-55</b>					7	16							50
<b>90-48</b>			4	7	17	28			3	4		6	75
<b>120-31</b>	3	6	8	12	22	35			6	10		8	
<b>140-31</b>	4	7	9	13	24	--		3	8	12	3	10	
<b>165-31</b>	5	8	10	14	26	--	2	5	10	14	4		
<b>180-31</b>											5		

<b>TOPAZ (Diazo)</b>	<b>Saphir (Diazo)</b>	<b>ZIRCON (photopolymer)</b>
<i>For printing solvent based inks, FOTECAP TOPAZ is recommended. A traditional capillary film in various thicknesses which helps to lower stencil costs.</i>	<i>To respond to the new, aqueous or combined ink systems, FOTECAP SAPHIR has been developed. This capillary film has dual-cure characteristics with shorter exposure time and higher resolution for finest half-tone printing.</i>	<i>FOTECAP ZIRCON is a completely solvent resistant photopolymer capillary film with almost unlimited shelf-life. Ideal for critical climatic conditions. IP = Identical Profile on various meshes</i>

<b>Thick Film TECNO (photopolymer)</b>	<b>4800 SUPER</b>
<i>Solvent and water resistant film to adhere by the direct-indirect method with FOTECOAT emulsion 1834 SOLO (water resist.) or 1840 SOLO (solvent resist.) 100 to 700 micr. Film thickness available.</i>	<i>100 micr. Capillary film to adhere with water; photopolymer, dark blue</i>



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