

# developer mix chart

## **GAMMA plus** mixed 1:12

film	Gamma	water	total
1 roll - 35 mm	.75 oz	9.25 oz	10 oz
1 roll - 2 1/4"	1.4 oz	16.6 oz	18 oz
<b>2 rolls - 35 mm</b>	<b>1.5 oz</b>	<b>18.5 oz</b>	<b>20 oz</b>
5 rolls - 35 mm	3.9 oz	46.1 oz	50 oz
3 rolls - 2 1/4"	4.1 oz	49.9 oz	54 oz

film	Gamma	water	total
1 roll - 35 mm	23 ml	268 ml	290 ml
1 roll - 6 cm	38.5 ml	461.5 ml	500 ml
<b>2 rolls - 35 mm</b>	<b>45 ml</b>	<b>545 ml</b>	<b>580 ml</b>
5 rolls - 35 mm	112 ml	1338 ml	1450 ml
3 rolls - 6 cm	115 ml	1385 ml	1500 ml

# time / temp chart

## **GAMMA plus** mixed 1:12

developing times in minutes  
for the following temperatures in degrees F/C

Manufacturer	Film	ASA/ISO	65/18	68/20	70/21	72/22	75/24
<b>ADOX</b>	CHM 125	125	9.5	<b>8</b>	7.25	6.5	5.5
	CHM 400	400	11	<b>9</b>	8.5	7.5	6.5
<b>AGFA</b>	APX 100	100	9.5	<b>8</b>	7.25	6.5	5.5
	APX 25	25	9.5	<b>8</b>	7.25	6.5	5.5
<b>ARISTA</b>	EDU Ultra 400	400	10.5	<b>8.5</b>	7.5	7	6
	Il 100	100	9.5	<b>8</b>	7.25	6.5	5.5
	Premium 100	125	9.5	<b>8</b>	7.25	6.5	5.5
	Premium 400	400	11	<b>9</b>	8.5	7.5	6.5
<b>CLASSIC</b>	Pan 200	200	12.5	<b>10.5</b>	9.5	9	7.5
	Pan 400	400	14	<b>11.5</b>	10.5	9.5	8
<b>FOMA</b>	Fomapan 400	400	10.5	<b>8.5</b>	7.5	7	6
	Fortepan 100	100	9.5	<b>8</b>	7.25	6.5	5.5
<b>FORTE</b>	Fortepan 200	200	12.5	<b>10.5</b>	9.5	9	7.5
	Fortepan 400	400	14	<b>11.5</b>	10.5	9.5	8
<b>FUJI</b>	Neopan 100	100	9	<b>7.5</b>	6.5	5.5	—
	Neopan 400	400	8.5	<b>7</b>	6.5	5.75	—
	Neopan 1600	1600	8	<b>6.5</b>	6	5.5	—
<b>ILFORD</b>	Pan F+	50	6	<b>5</b>	—	—	—
	FP4+	125	9.5	<b>8</b>	7.25	6.5	5.5
	HP5+	400	11	<b>9</b>	8.5	7.5	6.5
	Delta 100 Pro*	100	7.5	<b>6</b>	5.5	5	—
<b>KODAK</b>	Plus-X	125	9.5	<b>8</b>	7.25	6.5	5.5
	Tri-X 400	400	11	<b>9</b>	8.5	7.5	6.5
	TMax 100*	100	11	<b>9</b>	8.5	7.5	6.5
	TMax 400*	400	11.5	<b>9.5</b>	8.5	7.5	6.5
	TMax P3200*	3200	11.5	<b>9.5</b>	8.5	7.5	6.5

\*tabular grain films are not recommended for printing in condenser enlargers