

### Comparative diameter / decitex table for wire

Wire (diameter) [mm]	PA 6 + 6.6 [dtex]	PA 6.10 [dtex]	PET [dtex]	PP	Wire (diameter) [mm]	PA 6 + 6.6 [dtex]	PA 6.10 [dtex]	PET [dtex]	PP
0.027			8		0.18	290	280	350	232
0.030	8			6	0.19	325	310	390	258
0.031			10		0.20	360	340	435	285
0.033	10				0.21	395	380	480	315
0.034			13		0.22	435	415	520	345
0.035	11				0.23	475	450	570	380
0.037	12				0.24	520	490	620	410
0.038	13				0.25	560	535	680	440
0.040			17	11					
0.041	15				0.30	810	770	970	640
0.044	17				0.35	1100	1050	1350	875
0.048			25						
0.050	22			18	0.40	1430	1370	1730	1140
0.055			33		0.45	1810	1730	2200	1450
0.061	33								
0.064			44		0.50	2240	2140	2700	1790
0.070	44		53	35	0.55	2700	2590	3300	2160
0.080	57		69	46					
0.090	72		88	58	0.60	3200	3080	3900	2575
0.10	90	85	108	72	0.65	3800	3620	4600	3020
0.11	108	105	131	87					
0.12	129	125	156	103	0.70	4400	4190	5300	3500
0.13	151	145	183	120					
0.14	176	170	212	140	0.80	5700	5480	7000	4575
0.15	200	195	244	160	0.90	7300	6930	8800	5790
0.16	230	220	275	185					
0.17	260	250	315	207	1.00	9000	8560	11000	7150

**Calculation formula:** diameters in hundredths of a mm

$$\text{PA6 \& PA 66 dtex} = 0.895 \times \varnothing^2$$

$$\varnothing = \sqrt{\frac{\text{dtex}}{0.895}}$$

$$\text{PA 6.10 dtex} = 0.856 \times \varnothing^2$$

$$\varnothing = \sqrt{\frac{\text{dtex}}{0.856}}$$

$$\text{PET dtex} = 1.084 \times \varnothing^2$$

$$\varnothing = \sqrt{\frac{\text{dtex}}{1.084}}$$

$$\text{PP dtex} = 0.715 \times \varnothing^2$$

$$\varnothing = \sqrt{\frac{\text{dtex}}{0.715}}$$