

Diolen® 175SLC

High-tenacity polyester filament yarn
Micro dull – super low capillarity

Linear density	Number of filaments	Linear density	Breaking force	Breaking tenacity	Elongation at break	EASF (xN)	HAS 2 min. at 180°C
(nominal dtex)	(nominal)	dtex	N	mN/tex	%	%	%
1100	210	1144	84.0	734	19.6	12.1 (45N)	1.3
1670	210	1722	127.5	740	19.9	12.1 (68N)	1.3
2200	420	2281	163.2	715	19.3	11.8 (90N)	1.3

Tensile testing is performed at a yarn twist of Z60 t/m

HAS – Hot-air shrinkage testing is performed with a pretension of 1 mN/tex

Twisting and Make-up

Linear density	Number of filaments	Twist	Package weight	Tube dimension L/Ø	Spool Ø	Spools per pallet	Pallet net weight
(nominal dtex)	(nominal)	t/m	kg	mm	mm	–	kg
1100	210	0	11.3	290/94	260	48	542
	210	Z60	11.3	290/94	270	48	542
	210	S/Z100	11.3	290/94	280	48	542
1670	210	0	11.3	290/94	260	48	542
	210	Z60	11.3	290/94	270	48	542
2200	420	0	11.3	290/94	260	48	542
	420	Z60	11.3	290/94	270	48	542

Details based on full spools

Package Type	Cylindrical bobbins
Pallet dimension (H×L×W)	111 × 126 × 101 cm
Special remarks	Other twist levels on request. Also available on beams. Processing recommendations available.
Applications	Broad fabrics, tents and textile constructions