

Yarn Type	Titer & Filaments	Dtex	Breaking Force		Breaking Tenacity		Elongation at break		EASF	HAS
			N	mN/tex	g/d	%	%	(N)	%	

Enka[®] Nylon

High-tenacity Polyamide 6.6 Filament Yarns

140HRT (medium shrinkage)	700 f 108	716	61.5	859	9.7	21.0	9.8	(34.0)	5.5
	940 f 140	942	80.3	852	9.7	18.4	9.7	(45.0)	5.1
	1400 f 210	1405	119.2	848	9.6	19.1	10.2	(68.0)	5.1
	1880 f 280	1895	160.2	845	9.6	20.0	10.4	(90.0)	5.1
	2100 f 280	2105	175.3	833	9.4	20.0	10.5	(100.8)	5.2
140HRT-FC (medium shrinkage)	940 f 140	942	80.3	852	9.7	18.4	9.7	(45.0)	5.1
	1400 f 210	1405	119.2	848	9.6	19.1	10.2	(68.0)	5.1
142HRT (medium shrinkage)	940 f 140	942	86.7	920	10.4	18.0	9.7	(45.0)	5.8
	1400 f 210	1408	129.6	920	10.4	19.3	10.2	(68.0)	5.9
154HRST (low shrinkage)	940 f 140	961	72.2	751	8.5	25.3	12.9	(45.0)	3.0
	1880 f 280	1905	139.3	731	8.3	26.2	13.6	(90.0)	3.1
433HRST	235 f 36	236	19.8	839	9.5	20.8	7.2	(5.6)	4.8
	312 f 72	318	27.2	855	9.7	20.8	7.2	(7.5)	4.7
	470 f 72	474	38.6	814	9.2	20.5	7.3	(11.3)	4.7
434HRT	78 f 36	82	5.8	707	8.0	23.0	6.8	(1.9)	8.6
442HRT (medium shrinkage)	470 f 72	470	40.0	851	9.6	21.5	6.1	(11.3)	6.0
444HRT (medium shrinkage)	235 f 36	238	17.7	744	8.4	24.0	8.0	(5.6)	6.0
444HRST (low shrinkage)	110 f 18	112	8.2	732	8.3	26.0	7.8	(2.6)	3.6
	235 f 36	238	17.7	744	8.4	25.7	8.0	(5.6)	3.7
	470 f 72	476	34.0	714	8.1	25.5	8.2	(11.3)	3.7
446HRT (medium shrinkage)	235 f 72	237	20.4	861	9.8	21.4	7.1	(5.6)	5.7
	350 f 140	352	30.5	865	9.8	22.5	7.1	(8.4)	5.3
	470 f 140	474	40.0	843	9.6	22.5	7.0	(11.3)	5.5
	580 f 140	582	47.5	816	9.2	21.5	7.0	(13.9)	5.6
	700 f 108	712	60.8	854	9.7	20.2	10.5	(34.0)	5.7
447HRT (high shrinkage)	235 f 72	236	17.0	720	8.2	24.5	8.1	(5.6)	8.5
	350 f 144	351	26.0	741	8.4	23.1	7.2	(8.4)	8.0
	470 f 144	475	35.0	737	8.4	24.0	6.9	(11.3)	7.8

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High-tenacity Polyamide 6 Filament Yarns

429HRT	470 f 72	474	31.5	665	7.5	23.6	7.6	(11.3)	5.1
	940 f 140	940	72.6	772	8.7	23.2	10.6	(45.0)	7.8
540T	1400 f 210	1410	108.0	766	8.7	23.2	11.0	(68.0)	8.1
	1880 f 280	1900	146.0	768	8.7	23.5	11.6	(90.0)	8.3

Stanylenka[®]

High-tenacity Polyamide 4.6 Filament Yarns

460HRST (low shrinkage)	470 f 72	478	35.1	734	8.3	21.8	7.4	(11.3)	3.5
	940 f 144	954	69.0	723	8.2	18.6	9.2	(45.0)	4.2
	1400 f 216	1432	104.0	726	8.2	18.6	9.3	(68.0)	4.6

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

Hot-air shrinkage (HAS; 2 min. at 180°C) is performed with a pretension of 5 mN/tex

Key: FC=Food Contact | HR=Heat Resistant | S=Stabilized | T=Tangled