



ARSELON THERMO-RESISTANT YARNS.

№	INDICES	NORM			
		29.4 tex	100 tex 200 tex	100x2 tex	Sewing Thread 29.4tex x 2 x2
1	Working temperature in the ambient air, max	250° C	250° C	250° C	250°C
2	Temperature resistance (for 15 min.), °C	300-400	400-460 440-500 (for 200 tex)	400-460	300-400
3	Unit braking load, mN/tex, min	270	294	268	250
4	Elongation at rupture, %, min	3	5	5	3
5	Termoresistance, % (retention in strength after withstanding at 350° C for 25 hrs), min	25	20	20	25
6	Number of twists per 1m, TPM	Z 90±20	Z 70±10	S 120±20	Z 180±20 S 120±20
7	Oil content, %	1.0-2.0	1.0-2.0	1.0-2.0	0.5-2.0
8	Modulus of tension at 1% elongation, GPa	12.5-30.0	12.5-30.0	12.5-30.0	-
9	Specific density, g/cm ³	1.44	1.44	1.44	-
10	Wear resistance, cycles, at 5 mN/tex	30,000- 60,000	30,000- 60,000	30,000- 60,000	-
11	Metal friction coefficient	0.1-0.15	0.1-0.15	0.1-0.15	-
12	Retention in strength, %, min				
	- in a loop	75	75	75	-
	- in a knot	75	75	75	
	- in wet condition	70	70	70	
13	Linear shrinkage, %, max				
	- in boiling water	0.2	0.2	0.2	-
	- at high temperature	0.2	0.2	0.2	
14	Specific electrical resistance (without oiling), om.mm ² m	10 ¹⁴	10 ¹⁴	10 ¹⁴	-
15	Oxygen number, % of O ₂	23-25	23-25	23-25	23-25
16	Normalized humidity, %	6.0	6.0	6.0	6.0
17	Actual humidity, %, max	9.0	9.0	9.0	8.0

ARSELON yarns are resistant to attacks by organic acids and solvents, oil products, mineral oils, mild inorganic acids and alkalis;

ARSELON yarns retain elasticity at 196° C;

ARSELON yarns are un toxic, with no risk of fire and unexplosive.