





Type of thread	FS No.35	FS No.40	FS No.50
Article Description	Smooth Metallised Embroidery & Decorative Thread		
Composition	60% Polyamide 40% metallised polyester foil	55% Polyamide 45% metallised polyester foil	45% Polyamide 55% metallised polyester foil
Thickness	No.35 approximately 30% thicker than No.40 290 dtex* 260 den*	No.40 230 dtex* 210 den*	No.50 approximately 30% finer than No.40 160 dtex* 140 den*
Make Up Available	5000m cone	1000m spool 5000m cone	1000m spool 5000m cone
<b>Fastness Rating Scale 1 (worst) – 5 (best)</b>			
fastness to washing @ 95°C DIN 54011 ISO 105C04	4-5		
fastness to water (damp for 4hrs at 37°C) DIN 54006 ISO 105E01	4-5		
fastness to rubbing (10 rubs on dry/wet white fabric) DIN 54021 ISO 105X12	Dry 4 wet 3-4		
fastness to dry cleaning DIN 54024 ISO 105D01	4-5		
<b>Fastness Rating Scale 1 (worst) – 8 (best)</b>			
fastness to light DIN 54004 ISO 105B01 (approx 100hrs xenon light)	6-7 Due to different materials not applicable to all colours		
<b>Mechanical-Technological Values DIN / ISO</b>			
Tensile Strength cN* (force until thread breaks, in cN*) DIN 53834	620	420	420
Elongation (% of stretch extension with weight tension until breaks)	30-40	25-35	40-55
Recommendations for care	   		

\*dtex = decitex = weight in grams of 10,000m of yarn;  
plys of yarn  
\*den = denier = weight in grams of 9,000m of yarn;  
of yarn  
\*cN = Centinewton: 1 Centinewton = approx 1.02grams;  
decitex  
\*Z twist = anti-clockwise: S twist = clockwise

\*dtex x 2 = two  
\*den x 2 = two plys  
1 denier = 1.111