

COATS *gral*[®]

Introducing high technology CF polyester threads

A filament polyester thread in soft finish, COATS *gral*[®] is available in a wide variety of fashion leather colors used in the casual footwear industry. The filament polyester is stretch-set for controlled elongation, tight stitch lines and high quality sewing of fashion shoes.



Main Applications

- Ladies' fashion shoes
- Children's shoes
- Men's casual shoes
- Wallets and leather piece goods
- Automotive seat covers (European cars)
- Mattress and contract quilting

Special Features

- High technology lubricated polyester threads
- Stretch-set for low elongation
- Tight stitches and lustrous seam appearance
- Excellent loop formation
- Wide fashion color range
- Soft on leather, and less wear and tear of machine parts

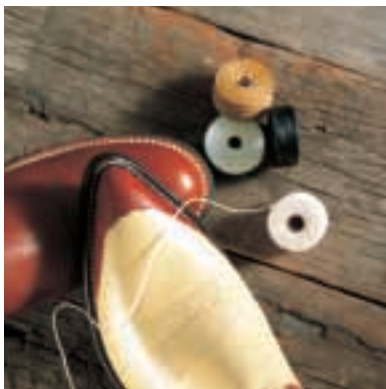
COATS
gral[®]



UNBONDED CF
POLYESTER THREAD

Product Information





Technical Data – COATS *gral*

Unbonded, twisted, continuous filament polyester thread

Size	Tex	Construction (denier x ply)	Average Strength (grams)	Elongation at break %
40/2	27	125x2	2040	19
80/3	30	110x3	2400	19
60/3	45	140x3	3221	21
40/3	70	220x3	5150	21
30/3	90	220x4	6425	21
20/3	135	440x3	9600	21
15/3	210	220x3x3	14450	21
10/3	300	1000x3	24000	25
8/3	350	1100x3	26000	25

Notes: Length pack-out in key sizes: Tex 45: 3000m, Tex 70: 1800m, Tex 135: 1000m
Tex 45 also available in a 220x2 construction
Tex 210 also available in 10/2 construction



Wide Color Range

- Fashion colors from Coats color card
- Wide range of dyestuffs used to specifically tailor product for special colorfastness requirements
- Please contact Coats Technical Service for details



Chemical Properties of CF Polyester

- Melting point 485°F - 500°F (250°C - 260°C)
- Unaffected by mildew, rot and marine water
- Good resistance against acid rain
- Excellent bleach resistance and colorfastness



A fashion color range in CF polyester

COATS *gral*® thread comes to you from the World of Coats, the world's largest supplier of industrial thread products. We have the unique ability to service our customers anywhere in the world with our global product offering, innovative technical solutions, creative ideas and superior customer service. All Coats products are backed by Coats Technical Service, which gives you expert, on-the-spot advice on your sewing problems, absolutely free of cost.