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At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.



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econfidence[®]
from DyStar



Cadira[®] Polyamide

Get a Move On



What is Cadira[®] Polyamide?

- Environmentally-friendly dyeing process for polyamide, recycled polyamide and polyamide blends with elastane
- Use of Telon[®] and Isolan[®] dyes together with selected Sera[®] products for pre and aftertreatment as well as dyeing auxiliaries
- Shorter dyeing process by scour-dyeing and a modified aftertreatment in one bath

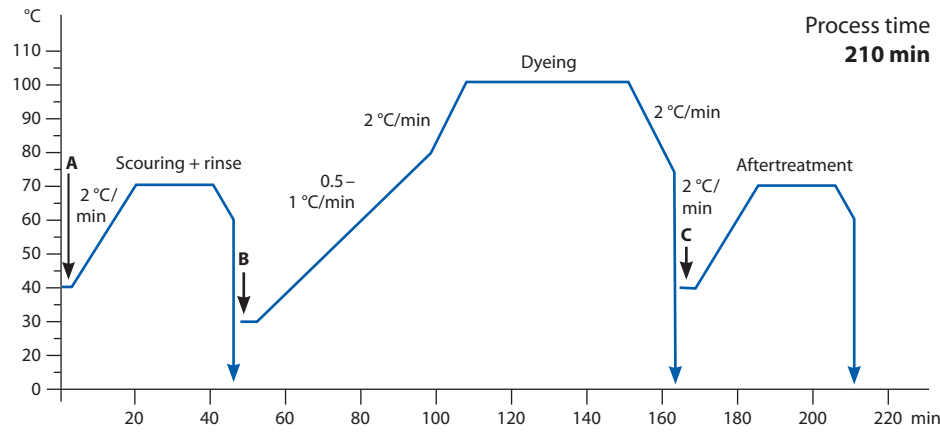
Cadira Polyamide offers an optimized dyeing process for the dye ranges below:

Acid levelling dyes (mono-sulfonated)	Telon
Acid half-milling dyes (mono-sulfonated)	Telon A
Acid milling dyes (di-sulfonated)	Telon M
Pre-metallized dyes (non-sulfonated)	Isolan
Pre-metallized dyes (mono-sulfonated & mixtures)	Isolan NHF-S/S
Pre-metallized dyes (di-sulfonated)	Isolan 2S

Savings with Cadira Polyamide

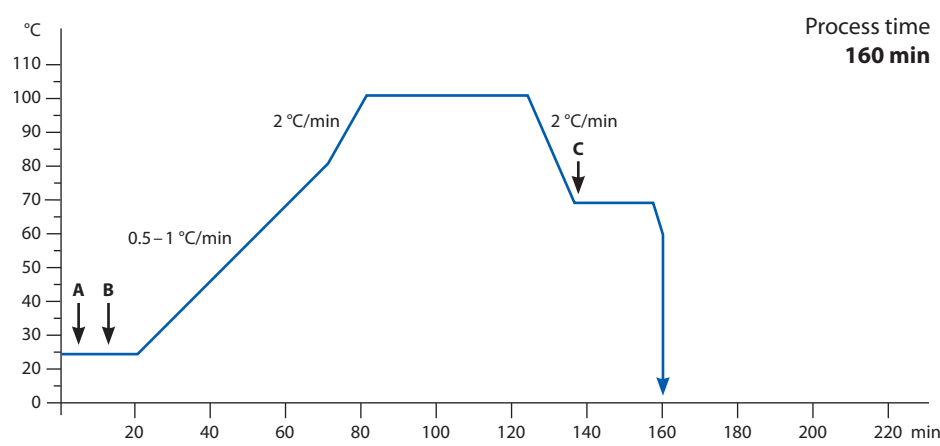
- ✓ Reduced dyeing time
- ✓ Reduced water consumption
- ✓ Reduced wastewater
- ✓ Reduced energy consumption

Conventional Process



- A: 0.5 – 1.0 g/l washing agent
- B: 0.5 – 4.0 % leveling agent
0.0 – 0.5 % dispersing agent
0.0 – 1.0 g/l lubricating agent
x % dyes
- C: 1.0 – 3.0 % aftertreatment agent

Cadira[®] Polyamide Process



- A: 0.5 – 1.0 g/l Sera[®] Wash M-RK or Sera Wash C-NEC
0.5 – 4.0 % Sera Gal N-LP
0.0 – 0.5 % Sera Sperse M-IS
0.0 – 1.0 g/l Sera Lube M-CF
pH adjustment
- B: Telon[®]/Isolan[®] dyes
- C: 2.0 – 3.0 % Sera Fast N-HFG
pH 4.5 – 5.5



up to 60% less
water consumed



up to 50% less
steam consumed



up to 25% less
electricity consumed



up to 25% less
dyeing time

The process can be used for most shade areas. Very dark shades may need an additional aftertreatment bath depending on the required fastness levels. We do not recommend this process with following dyes: Telon Turquoise M-5G 85 %,

Telon Rhodamine M-BN and Telon Flavine M-7G. The process is recommended for knitwear and woven fabrics, which need to be desized properly prior to dyeing. Blends with high elastane content require pre-trials.