

AQUADYE FIBERS DYEABLE POLYPROPYLENE

Patented

Us. 8759430, CA 2893418, Taiwan 10411825

Brand Name: EZ Dye Additive

License \$10,000 1st year, \$50,000 +.03 to 2035

Customer: Aquadye Fibers
Date: 1/27/2022
Analyst: Jerome Harris



Method: AATCC 61 Colorfastness to Laundering: Accelerated (2A) Test conditions
The resistance of a material to change in any of its color characteristics, to transfer of its colorants to adjacent material or both as a result of the exposure of the material to any environment that might be encountered during the processing, testing, storage or use of material

Sample ID:	Rating			Rating		
	Red	Normal		Navy	Dark Dye	
Acetate	3			5		
Cotton	5			5		
Nylon	3			4.5		
Polyester	3			5		
Rayon	5			5		
Wool	5			5		



The Chromatic Transference Scale:

Colorant Staining (Transfer)	
No Transfer (Good)	5
Transfer equal to 4.5	4.5
Transfer equal to 4.0	4
Transfer equal to 3.5	3.5
Transfer equal to 3.0	3
Transfer equal to 2.5	2.5
Transfer equal to 2.0	2
Transfer equal to 1.5	1.5
Most Transfer (Bad)	1



STANDARD DYE



DYED POLYPROPYLENE

DARK DYE

Customer: Aquadye Fibers
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 The resistance of a material to change in any of its color characteristics, to transfer of its colorants to adjacent material or both as a result of the exposure of the material to any environment that might be encountered during the processing, testing, storage or use of material

Sample ID:	Rating			Rating		
	Gold	Normal		Maroon	Normal	
Acetate	3.5			5		
Cotton	5			5		
Nylon	3.5			4.5		
Polyester	3.5			4.5		
Rayon	5			5		
Wool	4.5			5		



PET- BACK



PET- BACK

The Chromatic Transference
 Colorant Staining (Transfer)
 No Transfer (Good)
 Transfer equal to 4.5
 Transfer equal to 4.0
 Transfer equal to 3.5
 Transfer equal to 3.0
 Transfer equal to 2.5
 Transfer equal to 2.0
 Transfer equal to 1.5
 Most Transfer (Bad)

DOUBLE KNIT DYED POLYPROPYLENE
 + PET



Aquadye Fibers Inc.

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High Energy Disperse Dyes are recommended for good washfastness Disperse Dyable Polypropylene. Lab dips were performed on standard and dark dye Polypropylene

Archroma: Washfastness 4.5-5

Crimson Red S- WF
Foron Golden Yellow SWF
Foron Navy S-WF
Foron Black S-WF

Huntsman Washfastness 4.5-5

Terasil Blue 2GS
Terasil Navy GSN
Terasil Black

DyStar

2A Washfastness 3.5 - 3

Dianix Yellow S4G
Dianix Orange S G
Dianix Red SG

I would recommend using Archroma or Huntsman when dyeing where washfastness is important. The Blue, Navy and Black are especially good.

Use dyeing guidelines. Dye at 135 C or higher.

Ed Negola
VP Product Development