

Was ist Solution Dyed?

SOLUTION DYED METHODE

Die Farbe wird hinzugefügt wenn die Faserkomponenten verflüssigt sind. Also bevor die Faser produziert wird.

- Chemische Bestandteile, sogenannte Polymere werden in den Extruder eingespeist und geschmolzen. Diese Schmelze wird dann durch winzige Löcher, sogenannte Spinndüsen, gedrückt, woraus neues Garn erzeugt wird.
- Während des Prozesses werden Farbpigmente direkt den Polymeren hinzugegeben.
- So hat die Faser, die aus den Spinndüsen kommt, die gewünschte Färbung.



Why does Solution-dyed matter?

BECAUSE THE COLOUR IS PART OF THE FIBER

- When a fiber is dyed post-production (as in traditional dye methods), the dye soaks into the fiber and fills the fiber's cells. There will always be cells in the fiber that did not absorb the dye.

THE STORY OF THE RADISH AND THE CARROT



Radish: Traditional-dyed fiber where the colour is on the exterior but does not go through.



Carrot: Solution dyed fiber which has colour throughout.

The benefits of Solution dyeing



INCREASED LIGHT FASTNESS

... because the colour is locked into the fibers.

- Carpets made with Solution-dyed fiber are therefore a great choice for areas that will be subjected to intense light.



INCREASED STAIN RESISTANCE

... because Solution-dyed fiber has no empty dye sites which makes it easier to clean.

- Carpets made with Solution-dyed fibers are therefore great for use in commercial carpets.