



Solution Dyed Yarn

Dyeing is one of the most polluting stages of garment production and thus has been bringing a huge negative impact to the Earth. Ecoya® from natural pigment to masterbatch and polymerization saves chemicals, water, and energy. Ecoya® is "solution dyed and colored" prior to yarn extrusion, and it ensures the yarn color evenly from inside and out. Thereby Ecoya® is in superior color fastness.



Features

- Superior colorfastness to light
- Superior colorfastness to water
- Superior colorfastness to washing
- Superior color reproducibility

Application

- Sports & outdoor wear
- Fashion & city wear
- Uniform & workwear
- Hometextile
- Industrial fabrics

Nylon fabrics : 70D/48F FDY Virgin vs Ecoya®

Water	Coal	Chemical	CO2	Electricity
↓ 55 %	↓ 44 %	↓ 33 %	↓ 59 %	↓ 84 %
5.60->2.50 kg/y	0.34->0.19 kg/y	0.03->0.02 kg/y	1.27->0.52 kg/y	0.93->0.15 kwh/y

Polyester fabrics : 75D/72F DTY Virgin vs Ecoya®

Water	Coal	Chemical	CO2	Electricity
↓ 80 %	↓ 64 %	↓ 60 %	↓ 63 %	↓ 53 %
12.50->2.50 kg/y	0.53->0.19 kg/y	0.05->0.02 kg/y	1.40->0.52 kg/y	0.32->0.15 kwh/y