

TOPIC: Ring Dyeing in Denim

REF: TT/ June 2017/ WK 2

What does Ring Dyeing in Denim Yarn?

A characteristic unique to indigo dyeing whereby only the outer ring of the fibres in the yarn is indigo dyed, while the inner core remains white.

Ring dyeing only colors the outside layer of the fibres, leaving the core white. It is usually achieved through rope dyeing rather than hank dyeing. Ring dyeing is used for jeans that are intended to fade over time as it has poor resistance to washing and abrasion.

Types of Ring Dyeing:

Thinner Ring Dyeing:

16-20% penetration i.e., the depth of indigo into the surface fibers of the yarn is at most about 20%, leaving undyed core of about 80% of the overall cross-section of the yarn



Deeper Ring Dyeing:

30-40% penetration i.e., the depth of indigo into the surface fibers of the yarn is at most about 40%, leaving an undyed core of about 60% of the overall cross-section of the yarn



Wishing you a great week ahead!

Technical Tuesdays is a knowledge sharing initiative by Resil Chemicals Private Limited
arc@resil.com | www.resil.com