

Surface Finish
Vulcanised Rubber on Shafts or Sleeves
(XNBR)

Definition:

Vulcanisation is the process of curing elastomers. It involves the treatment of natural rubber with sulphur or other curatives (such as peroxide and metal oxides) to form cross-links between sections of a polymer chain to produce a rubberised material boasting excellent rigidity and durability.

Acceptance Criteria on Voids created by air Pockets in rubber coating:

- Allowance of up to 3 voids, to be no larger than 4mm in diameter and should not be within 5mm of the end of the shaft / sleeve or within 100mm of each other.
- The voids must not be in line either axially or radially.
- No convex blisters or protrusions are permissible.
- No metal is to be showing in the base of the void.
- No in filling of the void is permitted.

Acceptance Criteria for Coloured Flecks Specifications:

- Flecks are only allowed if they are an ingredient in the material production and should be spaced no closer than 50mm apart.
- Coloured flecks are allowed to be up to 2mm in diameter.
- No convex blisters or protrusions are permissible.
- Foreign object inclusion is not permitted.

Acceptance Criteria for Abrasion:

- Testing to meet DIN ISO 4649 / DIN 53516

Issue	01	02	03	04	05	06	07	08
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