BULKY ROVING

1. DESCRIPTION

Bulky roving is a lofted assembled roving with a uniformly disoriented but essentially continuous filament structure.

Bulky roving has a silane sizing system affording chemical compatibility with polyester, epoxy and vinylester resins.

2. APPLICATIONS

Bulky roving is intended as reinforcement for polyester, epoxy and vinylester resins used in pultrusion , pipe rehabilitation and in other applications.

3. AVAILABLE PRODUCTS

Available products are indicated in the current STANDARD PRODUCT LIST (SPL) .

4. SIGNIFICANT PHYSICAL PROPERTIES AND TEST METHODS

A. Linear Density Uniformity

Tolerance : + - 10 %

Test method : TM-RO-01-PP (copy available upon request)

B. Full bobbin weight

Tolerance : + - 10 %

Test method : Standard rule

D. Moisture content

Tolerance : max. 0.20 %

Test method : TM-RO-01-PP (copy available upon request)

E. Bobbin density

Nominal: 0.60 kg/dm3

Tolerance : + / - 0.20 kg/dm3

Test method : TM-RO-07-PP (copy available upon request)

5. VISUAL ACCEPTANCE STANDARDS

The roving ball shall be firmly and evenly wound with uniform lay. The roving shall be uniformly texturized. The roving shall be free of knots and dirt spots.

Any package build deformity which interferes with the smooth and uniform runoff of the roving is a cause for rejection of the package.

Visible grease, oil, dirt or foreign matter shall be classified as virtual defects.

6. PACKAGING, WRAPPING, PACKING, IDENTIFICATION AND PALLETIZATION

Each bobbin is individually packed with a polyethylene bag and labelled.

Each pallet contains 80 bobbins (5 layers). Each layer is separated by a cardboard plate . The pallet is wound with a stretch film.

Each pallet may contain partial bobbins up to 10 % by weight where the minimum partial bobbin weight is 4 kg.

7. ACCEPTANCE CRITERIA

Any package which does not meet the requirements of this specification is rejectable.

8. STORAGE CONDITIONS

Unless otherwise specified, it is recommended to store glass fibre products in a cool dry area. Temperature should not exceed 35°C and the relative humidity should be kept below 75 %. Glass fibre products must remain in packaging material until just prior to its use. If these conditions are respected, glass fibre products should not undergo significant changes when stored for extended periods of time.

The packaging system is designed to allow stacking of two pallets. When stacking two high, care should be taken to place correctly and smoothly the top pallet. Owens Corning is not responsible for any damage resulting from stacking pallets higher than two high.

Prepared and issued by : CST
Approved by : CST