



Assembled Roving 458A for Sheet Molding Compound (SMC)

Assembled Roving 458A is a premium grade, pigmentable SMC roving coated with a silane-based sizing. 458A is mainly used to manufacture light color SMC products with excellent UV resistance. Due to a very low rate of blistering, fiber-show and pin-hole defects 458A roving enables high-temperature, fast-molding cycles at very high First Pass Yields.

SPECIFICATIONS

Type of Glass
E-Glass (E)

Type Of Fiberglass
Assembled Roving (R)

Standard
Linear Mass Densities
4400
grams per metre (Tex)

Filament Diameter
13 microns

Most Common Size
ER14-4500-458A

FEATURES

- Complete strand wet-out
- Excellent choppability
- Excellent static control
- Fast and high sizing styrene solubility
- Outstanding color consistency and UV resistance
- Outstanding pigmentability and fiber whiteness
- Smooth, shiny surface in finished molded parts

RESIN COMPATIBILITY:

- Unsaturated polyester
- Vinyl ester

USES:

- Bathroom and sanitary ware fixtures with an extremely high standard for surface quality and color consistency

TECHNICAL PARAMETERS

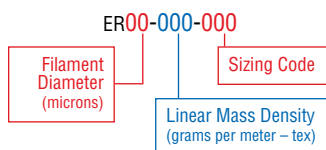
Linear Density (%)
ISO 1889
± 5

Moisture Content (%)
ISO 3344
≤ 0.15

Size Content (%)
ISO 1887
2.00 ± 0.20

Stiffness (mm)
ISO 3375
160 ± 20

NOMENCLATURE



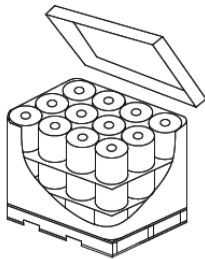
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PACKAGING

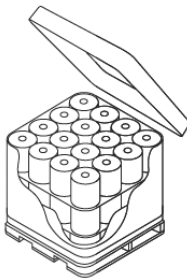
Doffs can be packed on pallets or in small cardboard boxes.



Doff



3-Layer Pallet
12 doffs per Layer



3-Layer Pallet
16 doffs per Layer

Doff:	270	310
Doff outside diameter	270 mm (10.6 in)	310 mm (12.2 in)
Doff inside diameter	100 mm (4 in)	100 mm (4 in)
Doff height	260 mm (10 in)	260 mm (10 in)
Doff weight	17 kg (37.4 lb)	28.5 kg (62.8 lb)

Pallet:

Number of layers per pallet	3	4	3
Number of doffs per layer	16	16	12
Number of doffs per pallet	48	64	36
Net weight	816 (1797.3 lb)	1088 kg (2396.5 lb)	1026 kg (2261.8 lb)
Length	1120 mm (44 in)	1120 mm (44 in)	1380 mm (54.3 in)
Width	1120 mm (44 in)	1120 mm (44 in)	1050 mm (41.3 in)
Height	940 mm (37 in)	1180 mm (46.5 in)	940 mm (37 in)

STORAGE

Unless otherwise specified, fiberglass products should be stored in a dry, cool and moisture-proof area. Room temperature and humidity should always be maintained at 15°C – 35°C, 35% – 65% respectively.

Best used within 12 months after production date. Fiberglass products should remain in their original packaging until just prior to use.

To ensure safety and avoid damage to the product, the pallets should not be stacked more than two layers high. When the pallets are stacked in two layers, care should be taken to correctly and smoothly move the top pallet.