

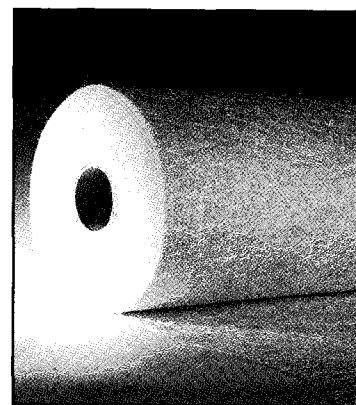
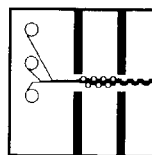
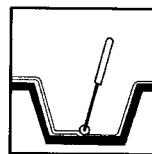
CHOPPED STRAND MAT ES 33,63

for laminating

- made of E-glass
- silane size
- very good wettability in polyester resin
- powder binder
- production of transparent parts and parts in complicated form
- application:

ES 33: contact laminating and continual technology of processing

ES 63: contact laminating



Standard types

Designation of product	Square weight (g/m ²)
ES 33-0-12,5 ...	100, 130, 150, 225, 250
ES 33-0-12,5 ...	325, 350, 375, 450, 500, 600
ES 33-0-25 ...	225, 300, 375, 450, 600
ES 63-0-50 ...	375, 450, 600

Designation: ES 33-0-12,5 450 120

ES chopped strand mat
 33-0 name and code of producer
 12,5 linear density of fibre in tex
 450 square weight in g/m²
 120 width in cm

Technical Characteristics

property	unit	square weight (g/m ²)	value			quality control procedure
			ES33-0-12.5	ES33-0-25	ES63-0-50	
filament diameter	µm	all types	12.5			ISO 1888
fibre length	mm	all types	50			
standard widths*	cm	all types	90,120,125,130,135,140			ISO 3344
moisture content	%	all types	0.1			
combustible matter content	%	100	14			ISO 1887
		130	12			
		150	10			
		225	7.5	7		
		250	7			
		300	6.5	5		
		325	6			
		350	5.5			
		375	5	4.5	2.8	
		450	4.5	3.6	2.8	
solubility in styrene suitable rate glass:resin	s	all types	30			ISO 2558
			3:1			
tensile strength min.	N	100	50			ISO 3342
		130	75			
		150	80			
		225	100	100		
		250	120			
		300	150			
		325	200			
		350	220			
		375	220	150	100	
		450	260	180	100	
500	275					
600	300	250	150			

Packaging

tube diameter (mm)	cardboard box (mm)	pallets-range* (mm)	number of rolls on a pallet
100	bottom: 370x370x760lid: 384x384x750	1200x800.....2000 2850x1280	6-12

Packaging:

Rolls are placed free or in big cardboard boxes and wrapped in a shrink bag. Other way of packaging in accordance with the agreement.

Storage

In dustfree and dry warehouses at the recommended temperature from 10-35°C and relative humidity of 50-75 % (storage in one layer).

Dispatch unit

Picture No. 1: chopped strand mats in cardboard boxes

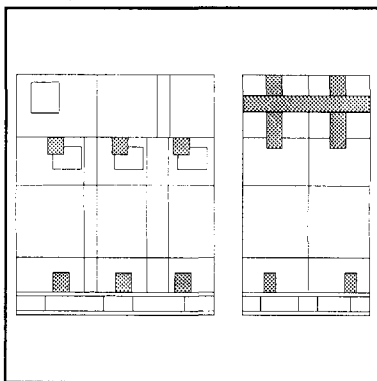
Picture No. 2: chopped strand mats without cardboard boxes

Transport

	picture No.	dimension of a pallet in mm	weight of dispatch unit cca in kg		number of dispatch units max.	total weight cca in t	
			nett	gross		nett	gross
truck	1	1200x800	580	650	25	14.5	16
	2	2100x1140	1300	1400	10	13	14

Other way of transport: container, resp. in accordance with the agreement.

(1) big cartons



(2) without cartons

