

EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.

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02-21

TEST RESULT

LINT AND OTHER PARTICLES GENERATION FROM NONWOWEN;

Test Metod: ISO 9073-10: 2003 (*)

5 test samples that in cross direction are maintained to twisting and compression action with Gelbo Flex for inner and outer surface in a clean room condition (according to ISO 14644-1 Class 5).

Lint and particles detached from the sample are counted with counter device and classified to size range.

Min. measuring size of SOLAIR 3100 particles measuring device: 0,3 µm,

Max. measuring size of SOLAIR 3100 particles measuring device: 25 µm.

Air flow: 28,3 ± 1,4 L/min Working mode: 30 s x 10 consecutive periods

Critical area

SAMPLE, INNER SURFACE (3 µm - 25 µm)		SAMPLE, OUTER SURFACE (3 µm - 25 µm)	
Total linting	: 44	Total linting	: 49
Standard deviation	: 28	Standard deviation	: 11
Coefficient of variation	: 63%	Coefficient of variation	: 23%
Coefficient of linting (CL)	: 2	Coefficient of linting (CL)	: 2
SAMPLE, MATERIAL (TOTAL)			
Total linting	:93		
Coefficient of linting (CL)*	:2		

*According to EN ISO EN ISO 13795-1:2019, Coefficient of linting (CL) (log 10) should be ≤4 for analysis of critical product area and less critical product area of both standard performance and high performance testing.

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Less Critical area

SAMPLE, INNER SURFACE (3 µm - 25 µm)		SAMPLE, OUTER SURFACE (3 µm - 25 µm)	
Total linting	: 22	Total linting	: 15
Standard deviation	: 15	Standard deviation	: 7
Coefficient of variation	: 66%	Coefficient of variation	: 48%
Coefficient of linting (CL)	: 1	Coefficient of linting (CL)	: 1
SAMPLE, MATERIAL (TOTAL)			
Total linting	:37		
Coefficient of linting (CL)*	:2		

*According to EN ISO EN ISO 13795-1:2019, Coefficient of linting (CL) (log 10) should be ≤4 for analysis of critical product area and less critical product area of both standard performance and high performance testing.

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