



TEST REPORT

13-0113IT-B

Issued on May 28th 2013

CLIENT

TINAZ KAUÇUK Kimya San. ve Tic. Ltd. Şti

PRODUCT NAME

LAY-FLEX

CATEGORY

EPDM Granules for Synthetic Athletic Surfaces

Assessment of Granules, Films and 13mm. Synthetic Athletic Surface

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The results are valid only for the complete system as described in this report.



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A large, light gray watermark of the word "SPORT" is centered on the page. The letters are bold and sans-serif. To the right of the word, there are several curved, light gray lines that sweep upwards and to the right, mirroring the style of the LABOSPORT logo.

SUBJECT

Assessment of Granules, Films and Synthetic Athletic Surface for resistance to wear (Taber test) and to UVB 313nm light 21 and 42 days.

A series of traction test it has been carried out on different samples new and aged in accordance to DIN 54001

STORAGE TIMES

Storage "Sine Die" of specimens and documents

TEST PERFORMANCE CONDITIONS IN LABORATORY

Air temperature	Relative humidity
23°C ± 2°C	50% ± 5%

APPLICANT

COMPANY NAME
ADDRESS

TINAZ KAUÇUK Kimya San. ve Tic. Ltd. Şti
Oto Sanayi Sit. Aytekin Sok. No:4
34418 4. Levent - Istanbul

COUNTRY

Turkey

ACQUISITION DATA

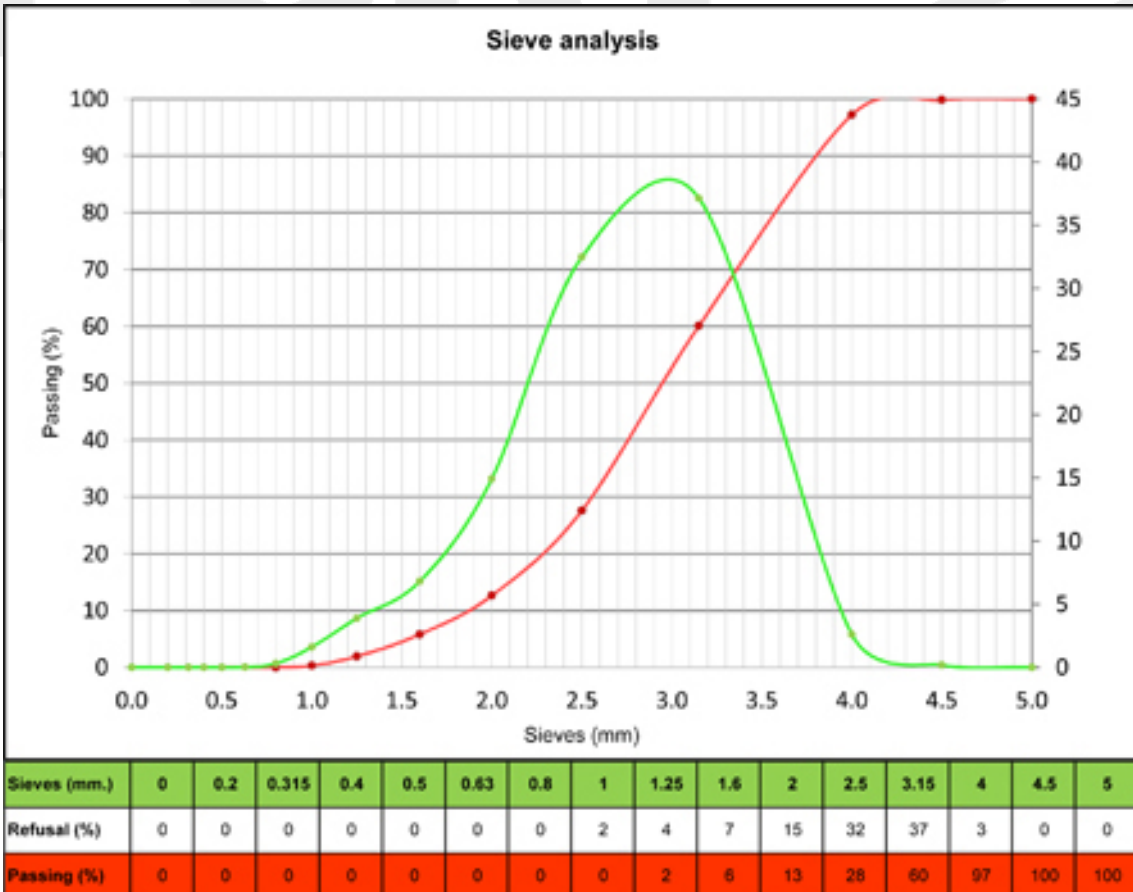
DATE ORDER RECEIVED	April 03 rd 2013
DATE FIRST SPECIMEN RECEIVED	April 03 rd 2013
DATE LAST SPECIMEN RECEIVED	April 03 rd 2013
START DATE OF TESTS	April 03 rd 2013
END DATE OF TESTS	May 23 th 2013

SAMPLE IMAGE



TEST RESULTS

SIEVE ANALYSIS



GENERAL RESULTS	
Property	Results
Sieve analysis result	1.6mm. - 3.15mm.
Hardness	65 Shore A
Taber (abrasion test)	2.1 g
Density	1.30 g/cm ³

AGEING RESULTS (EPDM surface product)		
Condition	Tensile strenght	Elongation at break
Product new	0.61 N/mm ²	58 %
Combined climate heat, humidity and UV light 21d	0.52 N/mm ²	51 %
Combined climate heat, humidity and UV light 42d	0.47 N/mm ²	46 %

AGEING RESULTS (film)			
Condition	Tensile strenght	Elongation at break	Change of appearance class DIN 54001
Product new	5.1 N/mm ²	376 %	4-5
Oven climate 80°C 21d	3.9 N/mm ²	359 %	4-5
Oven climate 80°C 42d	3.6 N/mm ²	347 %	4-5
Combined climate heat, humidity and UV light 21d	3.8 N/mm ²	322 %	4-5
Combined climate heat, humidity and UV light 42d	3.6 N/mm ²	278 %	4-5

CONCLUSIONS

The results of this report show that the product is suitable to be used to realize synthetic sport surfaces.

Executive Manager
Roberto Armeni




Synthetic Surface Manager
Davide Giorgini

