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Test Report

Applicant	Mr.EbrahimZadeh	Test code	95082301
company/producer	Yekta Varagh Polymer Yazd	Result Published on	26/11/2016
Sample Name and Type	PVC Geomembrane with nominal thickness 2 mm	Appendix/Suppiment	-
Trade name	-	Date of sampling	-
Application number	-	Sample Received on	13/11/2016
Application date	13/11/2016	Sample Tested on	13/11/2016
Sample code	-	Production date	-
Address of applicant: Vah-Asr Industrial Zone, Km15 Tehran Road, Yazd, Iran Tel:+983535279484 Fax: +983535279484		Production series	-
		Place of sampling	-
		Type of standard	-
Standard Reference: ASTM D7176	Cost of experiment:	conditioning:	Temperature: 23 ± 2°C Humidity: 50 ± 5 %

Licenses:

-License of research from the Ministry of Industries and Business
- The authority license for research collaboration with the Ministry of Petroleum
-License of Iran Technical and Vocational Training Organization
- License for holding workshops for Institute of Standards and Industrial Research of Iran

Agreements:

-Iran Polymer and Petrochemical Institute
- Sazeh Gostar Saipa
- Razi Metallurgical Research Center
- Razi foundation
- Gostareh Plastic
- Aryanam

No.	Test Measurement	Standard	Performance Limit	Result	Defects		
					Slight	Major	Critical
1	Tensile strength at break	ASTM D7176 (ASTM D882)	≥ 24 kN/m	MD: 39.86 kN/m			
				TD: 38.04 kN/m			
2	Elongation at break (Without Extensometer)	ASTM D7176 (ASTM D882)	≥ 450%	MD: 533 %			
				TD: 615 %			
3	Tear Resistance	ASTM D7176 (ASTM D1004)	≥ 67N	MD: 156.20 N			
				TD: 160.33 N			
4	Soil Burial	ASTM D7176 (ASTM G160)		Subsequently announced.			

Procedure condition:

Tensile: Speed: 500 mm/min, Grip: 50 mm

Tear: Speed: 51 mm/min, Grip: 25.4 mm

Comments:

- 1- Sampling was done with applicant.
- 2- These results are valid just for this received sample.
- 3- Number of specimens for each test is accordance with standard.
- 4- Test's uncertainty consist of :Tensile: 3.96%, Tear: 1.43%
- 5- As per customer's request, Elongation at break is reported without Extensometer.
- 6- As per customer's request, 1 to 4 clauses only have been tested from ASTM D7176.
- 7- As per customer's request, performance limit is reported accordance 1.5mm thickness in ASTM D7176.
- 8- Sample for 4th clause had put 30 days in soil.



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