



Certificate of Registration

This certificate has been awarded to

HAMI AB BASPAR Co.

Apt 8, 3rd. Floor, No. 17, Aryiafar Blvd., Marzdaran Blvd., Tehran,
No.1734, Golara 3 St., West Ghazali Blvd., Eshtehard Industrial Zone, Alborz, Iran

in recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

**Production of Plastic Sheet (6-7.5 Meter width) including HPPE Geomembrane,
LLDPE Geomembrane, Geo Composite**

Certificate Number 119987/A/0001/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
13 December 2021	1	12 December 2024	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
13 December 2021	0	13 December 2021	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager



If there is any doubt as to the authenticity of this certificate, please do not hesitate to contact the head office of the Group on info@urs-certification.com. URS is a member of United Registrar of Systems (URS), United House, 4 Nelson Road, Bournemouth, BH1 2DE, UK. Company Registration No. 5294868

TEHRAN CHAMBER OF COMMERCE,
INDUSTRIES, MINES AND AGRICULTURE



اتحادیه بازرگانی، صنایع، معادن و کشاورزی تهران

Certificate of Membership

کامی آبی باسپار

Hami Ab Baspar

نام شرکت:

نوع شرکت: سهامی خاص

نام دارنده کارت: رحمت روزبهانی

نوع کارت: حرفه‌ای

شماره کارت: ۱۴۰۰۸۱۲۰۶۰۶

گروه فعالیت: صنعت

تاریخ انقضای عضویت: ۱۳۹۷/۰۸/۲۴

تاریخ پایان اعتبار: ۱۴۰۳/۰۸/۲۴

اینجانب، **شهرستان تهران**، **بخش مرکزی**، **شهر تهران**، **موروثکاران**، **حرفه‌ای** **کدامین** **ادرس**، **مدرسه** **پایان تحصیلات** **پایه** **۱۳۰** **طبقه** **۳۰** **۷**

Company Name:

Type of Company: Private Joint Stock

Holder's Name: Rouzbayani Yahid

Type of Card: Legal

Card No: 14003120606

Group of Activity: Industry

First Issue Date: 2022/11/15

Expiration Date: 2027/11/15

Address:
TEHRAN IRAN

Secretary General

دبیرکل





HAB HDPE Geomembrane (available from 0.7 - 3 mm)

Product Data Sheet

HAB HD Geomembrane is a smooth high density polyethylene (HDPE) geomembrane manufactured with the highest quality resin specifically formulated for flexible geomembrane

Product Specification

Tested Property	Unit	Tested Method	Values				
			0.75	1	1.5	2	2.5
Thickness	mm	ASTM D 5199	0.75	1	1.5	2	2.5
Density	g/cm ³	ASTM D 792	≥0.940	≥0.940	≥0.940	≥0.940	≥0.940
Tensile Properties		ASTM D 638/D 6693 Type IV					
Strength at Yield	N/mm	50mm/min	11	15	22	29	37
Elongation at Yield	%	l ₀ =33mm	12	12	12	12	12
Strength at Break	N/mm	200mm/min	20	27	40	53	67
Elongation at Break	%	l ₀ =50mm	700	700	700	700	700
Tear Resistance	N	ASTM D 1004	93	125	187	249	311
Puncher Resistance	N	ASTM D 4833	240	320	480	640	800
Carbon Black Content	%	ASTM D 1603	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
Carbon Black Dispersion	Category	ASTM D 5596	note (c)	note (c)	note (c)	note (c)	note (c)
Melt Flow Index	g/10 min	ASTM D 1238 (190°C / 2.16 Kg)	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Stress Crack Resistance(NCTL)	hr	ASTM D 5397	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500
Oxidative Induction Time(OIT)	min	ASTM D 3895	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
Oven Aging at 85°C Standards OIT (min.ave)-%retained after 90 days	%	ASTM D 3895	55	55	55	55	55
Reference Property							
Roll Width (available)	M				6.9 - 7.5		
Roll Length	M				50 - 200		
Surface					Double- sided smooth		

NOTES:

(a): All values unless otherwise noted are nominal values.

(b): Tolerance ± 10%

(c): Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be category 1 or 2. No more than view from category 3.

(d): Roll widths and lengths have a tolerance of ± 1%.

Our commitment to customer rights, Our focus on the quality and experience of our industry allows us to work with our customers for a long time.

Head Office: Apt 8, Floor 3, No 17/1, Ariyafar Blvd, Marzdaran Blvd, TEHRAN, IRAN Tel: +98 21 44380804

Factory: No 1437, Golar 3 St, West Ghazali Blvd, Eshtehard Industry Zone, Alborz Province, IRAN

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