Bitumen Hormoz Pars

Specification

- 50-70
- 60-70
- 60-70+
- 80-100
- 85-100
- 200-300
- PG 70-10
- PG 76-16
- AH70
- A Grade

BHP

Bitumen Hormoz Pars

Bitumen Hormoz Pars
Specification

Bitumen Grade: 50-70

Description and Applications:

Penetration Grade Bitumen is mainly used in road surfacing and some industrial applications. We supply penetration Grade Bitumen which is petroleum based and manufactured from Vacuum Bottom (VB) feedstock. Penetration Grade Bitumen is specified by the penetration and softening point test. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather.

Characteristics and Specifications:

Based on ASTM D946Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Date : 1-Jan-2024	Bitumen Hormoz Pars Laboratory Specification	

Bitumen Grade: 50-70

Specification

Ambient Condition	Temperature (◦c)	Pressure (mm Hg)	Humidity (%)
	25	**760**	**36**

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	50	70	2950	D5
3	Softening point (°C)	46	54	3868	D36
4	Flash point, Cleveland Open Cup (°C)	230	-	198	D92
5	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Kinematic viscosity at 135°C(Cst)	295	-	-	4402
8	Dynamic viscosity at 60 °C (poise)	-	-	12851	D2171
9	Penetration index	-1.5	0.7	EN12607-1	-
10	Spot test	Negative	Negative	2949	AASH TO102

Other Description:

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Add: No.11,Golkhane St, Nelson Mandella Blvd,Tehran, Iran

Bitumen Hormoz Pars
Specification

Bitumen Grade: 60-70

Description and Applications:

Penetration Grade Bitumen is mainly used in road surfacing and some industrial applications. We supply penetration Grade Bitumen which is petroleum based and manufactured from Vacuum Bottom (VB) feedstock. Penetration Grade Bitumen is specified by the penetration and softening point test. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather.

Characteristics and Specifications:

Based on ASTM D946Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: 60-70

specification

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	60	70	2950	D5
3	Softening point (°C)	46	54	3868	D36
4	Flash point, Cleveland Open Cup (°C)	230	-	198	D92
5	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Penetration index	-1.5	0.7	EN12607-1	-
8	Spot test	Negative	Negative	2949	AASH TO102
9	Loss on Heating	-	0.2	-	D6
10	Drop in Penetration After Heating (%)	-	20	-	D5&6

Other Description:

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Bitumen Hormoz Pars
Specification

Bitumen Grade: 60-70 PLUS

Characteristics and Specifications:

Based on ASTM D946Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: 60-70 PLUS

specification

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	60	70	2950	D5
3	Softening point (°C)	46	54	3868	D36
4	Flash point, Cleveland Open Cup (°C)	230	-	198	D92
5-1	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
5-2	Ductility at 15°C 5cm/min (cm)	100	-	3866	D113
5-3	Ductility at 15°C 5cm/min (cm) After 24 hours heating at 140°C	100	-	3866	D113
5-4	Ductility at 15°C 5cm/min (cm) After 48 hours heating at 140°C	100	-	3866	D113
5-5	Ductility at 15°C 5cm/min (cm) After 72 hours heating at 140°C	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Penetration index	-1.5	0.7	EN12607-1	-
8	Spot test	Negative	Negative	2949	AASH TO102
9	Loss on Heating	-	0.2	-	D6
10	Drop in Penetration After Heating (%)	-	20	-	D5&6

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Bitumen Hormoz Pars
Specification

Bitumen Grade: 80-100

Description and Applications:

Penetration Grade Bitumen is mainly used in road surfacing and some industrial applications. We supply penetration Grade Bitumen which is petroleum based and manufactured from Vacuum Bottom (VB) feedstock. Penetration Grade Bitumen is specified by the penetration and softening point test. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather.

Characteristics and Specifications:

Based on ASTM D946Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: 80-100

Specification

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	80	100	2950	D5
3	Softening point (°C)	42	-	3868	D36
4	Flash point, Cleveland Open Cup (°C)	230	-	198	D92
5	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Penetration index	-1.5	0.7	EN12607-1	-
8	Spot test	Negative	Negative	2949	AASH TO102
9	Loss on heating 163(°C) wt%	-	0.5	-	D6
10	Drop in Penetration after Heating %	-	20	-	D5&6

Other Description:

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Bitumen Hormoz Pars
Specification

Bitumen Grade: 85-100

Description and Applications:

Penetration Grade Bitumen is mainly used in road surfacing and some industrial applications. We supply penetration Grade Bitumen which is petroleum based and manufactured from Vacuum Bottom (VB) feedstock. Penetration Grade Bitumen is specified by the penetration and softening point test. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather.

Characteristics and Specifications:

Based on ASTM D946Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: 85-100

Specification

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	85	100	2950	D5
3	Softening point (°C)	42	-	3868	D36
4	Flash point, Cleveland Open Cup (°C)	230	-	198	D92
5	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Penetration index	-1.5	0.7	EN12607-1	-
8	Spot test	Negative	Negative	2949	AASH TO102
9	Loss on heating 163(°C) wt%	-	0.5	-	D6
10	Drop in Penetration after Heating %	-	20	-	D5&6

Other Description:

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Add: No.11,Golkhane St, Nelson Mandella Blvd,Tehran, Iran

Bitumen Hormoz Pars
Specification

Bitumen Grade: 200-300

Description and Applications:

Penetration Grade Bitumen is mainly used in road surfacing and some industrial applications. We supply penetration Grade Bitumen which is petroleum based and manufactured from Vacuum Bottom (VB) feedstock. Penetration Grade Bitumen is specified by the penetration and softening point test. Bitumen with lower penetration grade is used in the regions with warm climate while higher penetration grade is used in colder weather.

Characteristics and Specifications:

Based on ASTM D946Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: 200-300

Specification

Row No.	Type Test	Standard Range		Test Method	
		Min	Max	INSO	ASTM
1	Specific Gravity at 25°C	1.01	1.06	3872	D70
2	Penetration at 25°C (0.1mm)	200	300	2950	D5
3	Softening point (°C)	32	-	3868	D36
4	Flash point, Cleveland Open Cup (°C)	175	-	198	D92
5	Ductility at 25°C 5cm/min (cm)	100	-	3866	D113
6	Solubility in TCE (wt%)	99	-	2953	D2042
7	Spot test	Negative	Negative	2949	AASH TO102
8	Change in mass, Wt% (Thin Film oven test, 163°C,3.2mm,for 5hrs)	-	1.5	2957	D1754
9	Retained Penetration, % (Thin Film oven test, 163°C,3.2mm,for 5hrs)	37	-	2950-2957	D5-1754

Other Description:

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Bitumen Hormoz Pars
Specification

Bitumen Grade: PG 70-10

Characteristics and Specifications:

Based on ASTM D6373 Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: PG 70-10				
specification				
Ambient Condition	Temperature (◦c)	Pressure (mm Hg)		Humidity (%)
	25	**760**		**49.4**
Row No.	Type Test	Acceptable Range	Test Method ASTM	Result
1	Flash point (°C)	230 min	D92	326
2	viscosity @135°C. Pa.s	Max 3.00	D4402	0.49
3	DSR, G*/Sin δ (original Binder) @70, kPa	Min 1.0	D7175	1.05
4	DSR, G*/Sin δ(RTFOT)@70,kPa	min 2.20	D7175	2.34
5	Rolling Thin Film Oven Test (mass loss)%	Max ±1.0	D2872	0.045
6	DSR G*.sinδ(PAV)@34°,kPa	Max 5000	D7175	1536
7	BBR m.value @0°C	Min 0.300	D6648	0.388
8	BBR Gerrp Sttiffness,S,Mpa	Max 300	D6648	33.55

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Add: No.11,Golkhane St, Nelson Mandella Blvd,Tehran, Iran

Bitumen Hormoz Pars
Specification

Bitumen Grade: PG 76-16

Characteristics and Specifications:

Based on AASHTO M320 Bitumen

Health and Safety:

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.

Bitumen Grade: PG 76-16				
specification				
Row No.	Type Test	Unit	Value	Method
1	Average 7-Day Maximum Pavement Design Temperature	°C	<76	–
2	Minimum Pavement Design Temperature	°C	> -16	–
3	Flash Point Temperature	°C	Min230	AASHTO T48
4	Viscosity, T 316, Maximum 3 Pas, Test Temp, °C	°C	135	AASHTO T316
5	Dynamic Shear, T 315, G*/sin Minimum 1.00 KPa Test Temperature, @10 rad/s,°C	°C	76	AASHTO T315
Rolling Thin Film Oven Test (T 240)				
6	Mass Change, Maximum, Percent	%	1.00	AASHTO T240
7	Dynamic Shear G*/sin Minimum 2.2 KPa Test Temperature, @10 rad/s	°C	76	AASHTO T315
Pressure Aging Vessel (PAV) Test (AASHTO R28)				
8	PAV Aging Temperature	°C	100	AASHTO R28
9	Dynamic Shear G*/sin Maximum 5000 KPa Test Temperature, @10 rad/s	°C	34	AASHTO T315
10	Creep Stuffiness S Maximum 300 Mpa M-Value Minimum 0.300 Test Temp,@60s	°C	-6	AASHTO T313

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Bitumen Hormoz Pars
Specification

Bitumen Grade: AH-70

BITUMEN HORMOZ PARS (BHP)

Has been established in 2002.

The company has proved itself as the leading Privet bitumen producer and exporter in Iran from the very beginning.

Powered with cutting-edge technology helps us provide large-volume cargo in a limited time and supply around 2,000 tons of bitumen products every day to more than 100 customers worldwide.

Our mission is to satisfy customer requirements by providing the highest quality products and best services.

BITUMEN AH-70			
Test Items	**Unit**	**Specifications**	**Test Method**
Penetration (25°C/5s/100g)	**0.1 mm**	**60~80**	**T0604-2011**
Penetration Index		**-1.5~1.0**	**T0604-2011**
Softening Point (Ring & Ball)	**°C**	**Min 46**	**T0606-2011**
Dynamic Viscosity at 60 °C	**Pa.s**	**Min 140**	**T0620-2000**
Ductility (5cm/min @10°C)	**Cm**	**Min 25**	**T0605-2011**
Ductility (5cm/min @15°C)	**Cm**	**Min 100**	**T0605-2011**
Wax Content (Distillation Method)	**%**	**Max 2.2**	**T0615-2011**
Flash Point (COC)	**°C**	**Min 260**	**T0611-2011**
Solubility in Trichloroethylene	**%**	**Min 99.5**	**T0607-2011**
Density (@15°C)	**g/cm3**	**Report**	**T0603-2011**
After Thin Film Oven Test (TFOT) or Rolling TFOT (RTOFT)			**T609 or T0610**
Weight Change After TFOT or RTFOT	**%**	**±0.8**	**T609 or T0610**
Penetration Ratio of Residue after TFOT or RTFOT	**%**	**Min 61**	**T0604-2011**
Ductility @10°C after TFOT or RTFOT	**cm**	**Min 6**	**T0605-2011**
Ductility @15°C after TFOT or RTFOT	**cm**	**Min 30**	**T0605-2011**

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Bitumen Hormoz Pars
Specification

Bitumen Grade: A Grades

BITUMEN HORMOZ PARS (BHP)

Has been established in 2002.

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指标 index	单位 unit	等级 grade	沥青标号 110 号			90 号					70 号					试验方法 test method
针入度 (25℃, 5s,100g) Penetration (25℃, 5s,100g)	0.1mm		100~120			80~100					60~80					T0604
适用的气候分区 Applicable climate zones			2-1	2-2	3-2	1-1	1-2	1-3	2-2	2-3	1-3	1-4	2-2	2-3	2-4	
针入度指数 PI Penetration index PI		A	-1.5~+1.0													T0604
		B	-1.8~+1.0													
软化点不小于 The softening point is not less than	℃	A	43			45			44		46		45			T0606
		B	42			43			42		44		43			
		C	41			42					43					
60℃动力粘度不小于 The dynamic viscosity at 60℃ is not less than	Pa.s	A	120			160			140		180		160			T0620
10℃延度不小于 The ductility at 10℃ is not less than	cm	A	40			45	30	20	30	20	20	15	25	20	15	T0605
		B	30			30	20	15	20	15	15	10	20	15	10	
15℃延度不小于 The ductility at 15℃ is not less than	cm	A B	100													
		C	60			50					40					
蜡含量（蒸馏法）不大于 content (distillation method) is not greater than	%	A	2.2													T0615
		B	3.0													
		C	4.5													
闪点 不小于 Flash point	℃		230			245					260					T0611
溶解度 不小于 Solubility is not less than	%		99.5													T0607
密度（15℃） Density	g/cm³		实测记录 Actual measurement records													T0603
TFOT(或RTFOT)后																
质量变化 不大于 The quality change is not greater than	%		±0.8													T0610 或 T0609
残留针入度比（25℃）不小于 Residual ductility Min	%	A	55			57					61					T0604
		B	52			54					58					
		C	48			50					54					
残留延度（10℃）不小于 Residual ductility Min	cm	A	10			8					6					T0605
		B	8			6					4					
残留延度（15℃）不小于 Residual ductility Min	cm	C	30			20					15					T0605

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