

GENERAL CATALOGUE



- U-PVC pipes (20-500mm)
- U-PVC pipes for electrical conduit
- Gardening and industrial PVC hoses
- U-PVC fittings (40-200mm)
- PVC compounds
- Irrigation tape



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Design: studiosavir
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■ 2023 - 2024 YEARS



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History and Introduction

Darakar Company has been working in the field of producing rigid PVC pipes and flexible reinforced PVC hoses since 1972, presently the products of this company include PVC pipes and fittings, reinforced flexible hoses, Irrigation tapes, a variety of granules and PVC compounds.

Unplasticized pvc (U-PVC) pipes and fittings are produced for used in construction sewage discharge (based on international standard EN 1329-1), PVC pipes for water supply (based on international standard ISO 1452-2), PVC pipe for Non puessure underground drainage and sewerage (based on international standard EN 1401-1), rainwater pvc pipes for above ground external use (based on international standard EN 12200-1), pvc pipes and fittings use in pool (based on international standard ISO 1452-2 and ISO 1452-3), UPVC pipes and fittings for electrical cobduit (based on international standard IEC 61386-21, DIN 16873) Unplasticized PVC Pipes & Fittings from size 20 to 500 mm are produced for use in drainage sewage, irrigation, water transport, telecommunication and electrical applications. Darakar produces flexible PVC hoses (reinforced-plasticized PVC hoses) in size from 1/4 to 2 inches for gardening and industrial applications.

Darakar company is also a manufacturer and supplier of various flexible and rigid PVC granules with wide range of resin formulations & custom colors for various applications (e.g pipes, cables, telecommunication, shoes, etc.). Over the course of its five decades activity, the company's core work was based on the excellent quality of products, innovation, reasonable prices and above all satisfaction of customers. Darakar's hoses for gardening & industrial use have been on the Iranian market for nearly five decades. During this time, company's management has tried to manage the company to use updated technology as well as training and employing specialist employees to produce in accordance with national and international standards. Besides meeting the domestic needs to its products, Darakar exports its products to many countries including Italy, Kuwait, Qatar, the United Arab Emirates, Iraq, Afghanistan, Uzbekistan, Kazakhstan, Kyrgyzstan, and Tajikistan.





The Darakar's products are made from high-quality raw materials that are supplied from domestic and foreign sources. Our products are constantly controlled and tested by our highly equipped laboratory. Darakar laboratory has a certificate of "laboratory partner of Standard institute" from the standard and Industrial Research Organization of Iran. All products of Darakar company are certified ISO 9001(for quality management), ISO 14001(for environmental management) and BS OHSAS 18001 (for safety and job hygiene) from SGS Switzerland.



Laboratory



U-PVC Pipe

01

Ø : D mm	Wall Thickness mm	Application Area Code
32	3	B
40	3	B
50	3	B
63	3	B
75	3	BD
90	3	BD
110	3.2	BD
125	3.2	BD
160	3.2	B
160	4	BD
200	3.9	B
200	4.9	BD
250	4.9	B
250	6.2	BD
315	6.2	B
315	7.7	BD

ØD out side diameter

B Inside the building

BD Inside the building or underground within the building structure



construction sewage discharge

01 U-PVC pipes for used in Construction Sewage discharge

Based on international standard (BS EN 1329-1)



PIPE PRODUCTS
www.darakar.com



U-PVC Fittings

U-PVC Fittings for Waste Discharge within Building Structure (BS EN 1329-1)

Elbow 45°

02

I.D. mm	Wall Thickness mm	Application
40	3	B
50	3	B
63	3	B
90	3	BD
110	3.2	BD
125	3.2	BD
160	4	BD
200	4.9	BD



Swept Bend 87.5°

04

I.D. mm	Wall Thickness mm	Application
63	3	B
90	3	BD
110	3.2	BD



Elbow 45° (With Double Socket)

03

I.D. mm	Wall Thickness mm	Application
50	3	B
63	3	B
75	3	BD
90	3	BD
110	3.2	BD



Elbow 90°

05

I.D. mm	Wall Thickness mm	Application
40	3	B
50	3	B
63	3	B
90	3	BD
110	3.2	BD
125	3.2	BD
160	4	BD
200	4.9	BD



Elbow 87.5° (With Double Socket)

06

I.D. mm	Wall Thickness mm	Application
63	3	B
75	3	BD
90	3	BD
110	3.2	BD
125	3.2	BD
160	4	BD



Tee (Y) 45°

08

I.D. mm	Wall Thickness mm	Application
40	3	B
50	3	B
63	3	B
90	3	BD
110	3.2	BD
125	3.2	BD
160	4	BD

Tee 90°

07

I.D. mm	Wall Thickness mm	Application
40	3	B
50	3	B
63	3	B
90	3	BD
110	3.2	BD
125	3.2	BD
160	4	BD



Reducing Tee 90°

09

I.D. mm	Wall Thickness mm	Application
90-63	3	BD
110-63	3.2	BD
110-90	3.2	BD

09 داراکار

Darakar Company

B Inside the building BD Inside the building or underground within the building structure

Darakar Company

داراکار 10



10
Reducing Tee 45°

OD mm	Wall Thickness mm	Application Area Code
90-63	3	BD
110-63	3.2	BD
110-90	3.2	BD
125-110	3.2	BD
160-110	4	BD



12
Swept Tee Bend 87.5°

OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD



14
Reducing Tee 45° With Triple Socket

OD mm	Wall Thickness mm	Application Area Code
90-63	3	BD
110-63	3.2	BD
110-75	3.2	BD
110-90	3.2	BD
125-110	3.2	BD



16
Reducing Tee 87.5° With Triple Socket

OD mm	Wall Thickness mm	Application Area Code
90-63	3	BD
110-50	3.2	BD
110-63	3.2	BD
110-75	3.2	BD
110-90	3.2	BD
125-110	3.2	BD



11
Tee 45° With Triple Socket

OD mm	Wall Thickness mm	Application Area Code
63	3	B
75	3	BD
90	3	BD
110	3.2	BD
125	3.2	BD



13
Reducing Swept Tee Bend 87.5°

OD mm	Wall Thickness mm	Application Area Code
110-63	3.2	BD



15
Tee 87.5° With Triple Socket

OD mm	Wall Thickness mm	Application Area Code
50	3	B
110	3.2	BD
75	3	BD




17
Access Pipe With Threaded Cap

OD mm	Wall Thickness mm	Application Area Code
110	3.2	BD




Scrwed Access 18

OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD
125	3.2	BD



End Cap 20

OD mm	Wall Thickness mm	Application Area Code
63	2.5	B
75	2.5	BD
90	2.7	BD
110	2.9	BD
125	3	BD



Coupling As Slip 22

OD mm	Wall Thickness mm	Application Area Code
63	3	B
75	2.7	BD
90	3	BD
110	3.2	BD
125	3.2	BD



Eccentric Reducing Bush 24

OD mm	Wall Thickness mm	Application Area Code
63-40	3	B
63-50	3	B
75-50	3	BD
90-63	3	BD
110-63	3.2	BD
110-75	3.2	BD
110-90	3.2	BD
125-110	3.2	BD
160-125	4	BD
200-160	4.9	BD



Socket Plug 19

OD mm	Wall Thickness mm	Application Area Code
63	3	B
75	3	BD
90	3	BD
110	3.2	BD
125	3.2	BD



Coupling Center Stop 21

OD mm	Wall Thickness mm	Application Area Code
63	2.4	B
75	2.4	BD
90	2.4	BD
110	2.4	BD
125	2.4	BD
160	3	BD
200	3.7	BD



Vent Cowl 23

OD mm	Wall Thickness mm	Application Area Code
63-75-90	3	-
90-110-125	3.2	-



Reducer Level Invert 25

OD mm	Wall Thickness mm	Application Area Code
90-63	3	BD
110-63	3.2	BD
110-75	3.2	BD
110-90	3.2	BD
125-110	3.2	BD
160-110	4	BD



U Trap (Siphon) 26		
OD mm	Wall Thickness mm	Application Area Code
63	3	B
75	3	BD
90	3	BD
110	3.2	BD
125-110	3.2	BD



Non-Return-Valve 27		
OD mm	Wall Thickness mm	Application Area Code
125-110	3.2	BD



Screwed Expansion Coupling 28		
OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD

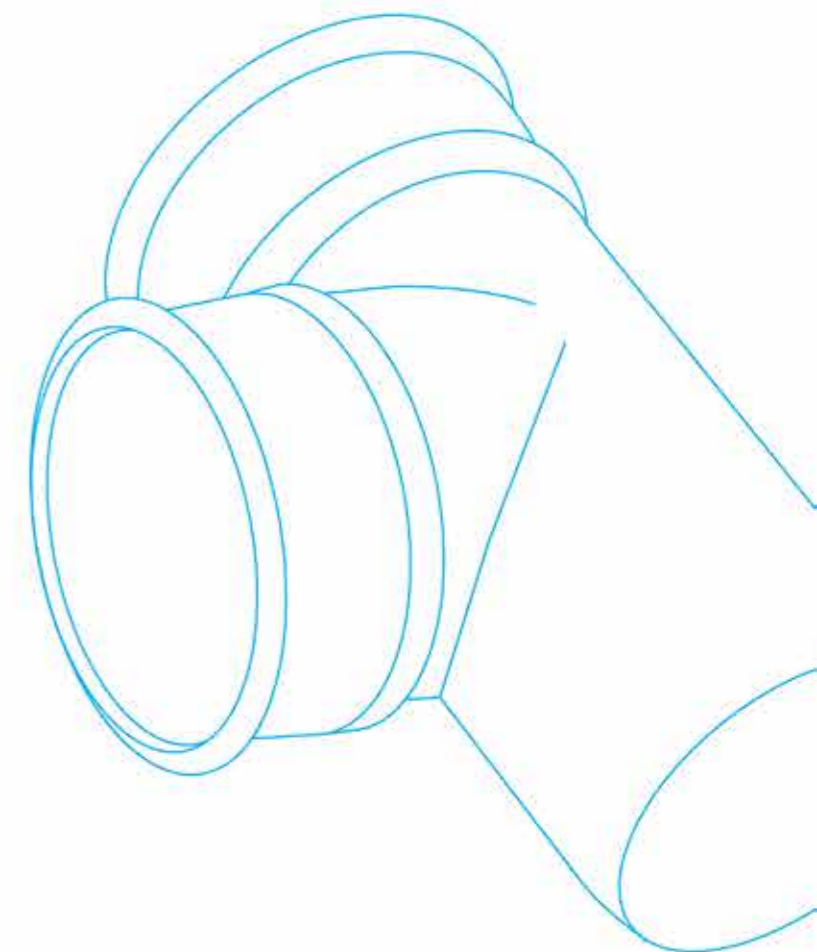
Muffe 29		
OD mm	Wall Thickness mm	Application Area Code
63	3	B
75	3	BD
90	3	BD
110	3.2	BD
125	3.2	BD



Flange 30		
OD mm	Wall Thickness mm	Application Area Code
160	8	-



Repair Coupling 31		
OD mm	Wall Thickness mm	Application Area Code
63	3	B
110	3.2	BD



Light
Fit

لاڤيت افيت

Economy Fittings of Darakar Industrial Group
In accordance with national standard 9119-1



- 1-9119 In accordance with Iranian National Standard
- Economic Savings
- High strength and strength
- In lighter weights than conventional fittings
- Distinctive logo of Darakar connections
- Reinforcement rims on the body for more strength of joints.



Economy Fittings Light fit

U-PVC Fittings for Waste Discharge within Building Structure (BS EN 1329-1)

Elbow 45°

33

OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD



Elbow 87/5°

34

OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD



Reducing tee 45°

35

OD mm	Wall Thickness mm	Application Area Code
90-63	3	BD
110-63	3.2	BD
110-90	3.2	BD



Tee (Y) 45°

36

OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD



Reducing tee 87/5°

37

OD mm	Wall Thickness mm	Application Area Code
110-63	3	BD



Tee 87/5°

38

OD mm	Wall Thickness mm	Application Area Code
63	3	B



U Trap (Siphon)

39

OD mm	Wall Thickness mm	Application Area Code
63	3	B
90	3	BD
110	3.2	BD
125-110	3.2	BD



Light
Fit

لا ايت فيت



U-PVC Pipes

For the purpose of managing power cable conduit

40

U-PVC Pipes Rigid Protective

Size mm	Standard's Code	Color
20 * 1.5	222112301010	<input checked="" type="radio"/> Gray
20 * 1.5	243112301010	<input type="radio"/> White
20 * 1.8	222112301010	<input checked="" type="radio"/> Gray
20 * 1.8	243112301010	<input type="radio"/> White
25 * 1.5	222112301010	<input checked="" type="radio"/> Gray
25 * 1.5	243112301010	<input type="radio"/> White
32 * 1.8	222112301010	<input checked="" type="radio"/> Gray
32 * 1.8	243112301010	<input type="radio"/> White
40 * 1.8	222112301010	<input checked="" type="radio"/> Gray
40 * 1.8	243112301010	<input type="radio"/> White

Specifications of U-PVC pipes used in management electrical conduit (cable system)

based on international standard (IEC 61386-21)

40



41

U-PVC Pipes for Passing Electrical Conduit

O.D. mm	Wall Thickness mm	O.D. mm	Wall Thickness mm
50	1.8	90	4.3
50	2.4	110	2.2
63	1.9	110	3.2
63	3	110	5.3
75	1.8	125	2.5
75	2.2	125	3.7
75	3.6	160	4.7
90	2.7	200	4

Specifications of U-PVC pipes for passing electrical and telecommunication cables

based on international standard (DIN 16873)

41



U-PVC PIPE FOR ELECTRICAL CONDUIT

42

Specifications of U-PVC fittings used in management electrical conduit (cable system)

based on international standard (IEC 61386-21)

42

Electrical Coupling (Center Stop and Without Stop)

O.D. mm	Wall Thickness mm	Standard's Code	Color
20	2.0	222112301010	<input checked="" type="radio"/> Gray
20	2.0	222112301010	<input type="radio"/> White
25	2.0	222112301010	<input checked="" type="radio"/> Gray
25	2.0	222112301010	<input type="radio"/> White
32	2.0	222112301010	<input checked="" type="radio"/> Gray
32	2.0	222112301010	<input type="radio"/> White





Used in supply water



PVC Pipes for Water Supply

43

O.D. mm	Wall Thickness mm								
Working pressure Bar	4	5	6	8	10	12.5	16	20	25
20	-	-	-	-	-	-	1.5	1.9	-
25	-	-	-	-	-	1.5	1.9	2.3	-
32	-	-	-	1.5	1.6	1.9	2.4	2.9	-
40	-	-	1.5	1.6	1.9	2.4	3	3.7	-
50	-	1.5	1.6	2	2.4	3	3.7	4.6	-
63	1.5	1.6	2	2.5	3	3.8	4.7	5.8	-
75	1.5	1.9	2.3	2.9	3.6	4.5	5.6	6.8	-
90	1.8	2.2	2.8	3.5	4.3	5.4	6.7	8.2	-
110	1.8	2.2	2.7	3.4	4.2	5.3	6.6	8.1	10
125	2	2.5	3.1	3.9	4.8	6	7.4	9.2	11.4
160	2.5	3.2	4	4.9	6.2	7.7	9.5	11.8	14.6
200	3.2	3.9	4.9	6.2	7.7	9.6	11.9	14.7	18.2
250	3.9	4.9	6.2	7.7	9.6	11.9	14.8	18.4	22.7
315	4.9	6.2	7.7	9.7	12.1	15	18.7	23.2	-
400	6.3	7.9	9.8	12.3	15.3	19.1	23.7	29.4	-

43 Specifications of Water Supply Pipes according to External Diameter and Nominal Pressure

based on international standard (ISO 1452-2)



Used in Non pressure underground drainage and sewerage

U-PVC pipes for Non Pressure Underground Drainage and Sewerage

44

Ring Stiffness KN/m ³	2	4	8
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O.D. mm	Wall Thickness mm	
110	-	3.2 3.2
125	-	3.2 3.7
160	3.2	4 4.7
200	3.9	4.9 5.9
250	4.9	6.2 7.3
315	6.2	7.7 9.2
400	7.9	9.8 11.7
450	8.8	11 13.2
500	9.8	12.3 14.6

44 Specifications of U-PVC Pipes for Non Pressure Underground Drainage and Sewerage

based on international standard (BS EN 1401-1)



Used in Rainwater Transfer

Rainwater U-PVC Pipes

45

O.D. mm	Wall Thickness mm
50	1.8
63	1.8
90	1.8
110	2.2
125	2.5
160	3.2

45 Specifications of U-PVC Pipes for Rainwater Transfer

based on international standard (BS EN 12200-1)

Darakar Hydropool Pipes

46

Dia mm	Wall Thickness mm	Nominal Pressure bar	Number in package
20	1.5	16	30
20	1.9	20	30
25	1.9	16	20
25	2.3	20	20
32	2.4	16	15
32	2.9	20	15
40	3.0	16	10
40	3.7	20	10
50	3.7	16	8
50	4.6	20	8
63	4.7	16	6
63	5.8	20	6
75	5.6	16	4
90	6.7	16	3
110	4.2	10	2
110	6.6	16	2
125	4.8	10	1
125	7.4	16	1
160	6.2	10	1
160	9.5	16	1
200	7.7	10	1
250	9.6	10	1
250	14.8	16	1
315	12.1	10	1
400	15.3	10	1



Darakar Hydropool

Water Supply Pipes Used in Swimming Pools

46

Specifications of Swimming Pool Pipes,
5 meters long, in Black Color

based on international standard (ISO 1452-2)

DARAKAR Hydropool Pipes

Darakar hydropool pipes are produced under international and national Standards ISO 1452-2 and INSO 13361-2





Darakar
Hydropool Fittings

Water supply fittings used in swimming pools

Water supply and pool fittings

47

FITTING TYPE	I.D. mm	Wall Thickness mm	PN bar
45° Elbow	50	4.6	16
45° Elbow	63	5.8	16
90° Elbow	50	4.6	16
90° Elbow	63	5.8	16
90° Elbow	75	6.8	16
90° Elbow	90	8.2	16
90° Tee	50	4.6	16
90° Tee	63	5.8	16
90° Tee	90	8.2	16
Double Socket	50	4.6	16
Double Socket	63	5.8	16
Double Socket	90	8.2	16
Reducer	50-63	5.8	16
Socket Plug	50	4.6	16
Socket Plug	63	5.8	16
One Side Female Threaded adaptor	50	4.6	16
One Side Female Threaded adaptor	63	5.8	16
One Side male Threaded adaptor	50	4.6	16
One Side male Threaded adaptor	63	5.8	16

U-PVC fittings used for Water supply and swimming pools

Based on international standard
(ISO 1452-3)



Hose



29 سانس

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Darakar Company

30 سانس



Spray Hose



Spray Hoses							48
Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length yard	W.P bar	B.F. bar	Weight kg /rol	
5/16	8.5	3	50	40	120	7.4	

Application: Transporting Fluids with Maximum 40 bar Pressure and agricultural & Pesticide Spraying
Structure: Light Blue Inner Layer - Industrial Polyester Yarn
 Middle Layer- Orange Outer Layer With Red Stripes . Two Brass
 Connectors at hose Endings and One Idler Joint to Avoid Kinking is included



Abnoos Hoses							49
Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol	
3/8	9	3	50	12	36	8	

Application: High Pressure Hose for Transporting Fluids
Structure: 1- White Inner Layer-Industrial Polyester Yam Middle Layer
 2-White Outer LayerBlack Inner Layer-Industrial Polyester Yam Middle Layer-Blue Outer Layer



Negin Hoses							50
Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol	
1/2	12	2.75	50	6	18	8	
3/4	19	3	50	5	15	12.5	

Application: Gardening and Water Supply
Structure: Black Inner Layer-Industrial
 Polyester Yam Middle Layer-Green Outer Layer with Yellow Strips.



Boostan Hoses

51

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	3	50	7	21	8.7
3/4	19	3.25	50	6	18	13.8
1	25	3.25	50	5	15	20.3
1 1/4	32	4	30	4	12	19
1 1/2	38	4	25	4	12	20
2	50	4.5	20	3	9	20

Application: Gardening and water supply

Structure: Blue Inner Layer-Industrial Polyester Yarn middle Layer –Clear Outer Layer with White Strip.



Fire Fighting Hoses

53

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
3/4	19	4.2	20	12	42	9.5
3/4	19	4.2	25	12	42	11.9
1	25	5.5	20	12	42	16.5
1	25	5.5	25	12	42	20.6

Application: Fire Extinguishing Hose

Structure: Black Inner Layer-Industrial Polyester Yarn

Middle Layer –Red Outer Layer.



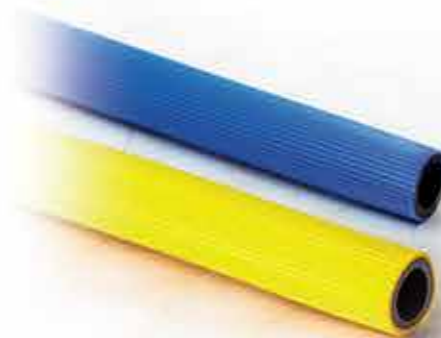
Golestan Hoses

52

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	2.5	50	6	18	6.8
3/4	19	2.5	50	5	15	11
1	25	3	50	5	15	17.5

Application: Gardening and water supply

Structure: Green Inner Layer- Industrial Polyester Yarn Middle Layer- Clear Outer Layer with white Strip.



Arghavan Hoses

54

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	3	50	6	18	9
3/4	19	3.4	50	5.3	16	15.5
1	25	3.8	50	5.3	16	22

Application: Gardening and Water Supply

Structure: Black Inner Layer-Outer Layer in Two differ out Colors (Yellow and Blue).



Yaghoot Hoses

55

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	1.85	50	8	24	5.2
3/4	19	2	50	7	21	8.5
1	25	2.5	50	5.5	16.5	13.5
1 1/2	38	3.7	25	4	12	15.6
2	50	4.3	20	4	12	15.8

Application: Gardening and Water Supply

Structure: Inner and outer layers transparent layer in different color middle layer Industrial polyester yarn layers

Sarvestan Hoses

56

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	2.5	50	5	15	7
3/4	19	3	50	4	12	12
1	25	3.5	50	4	12	16

Application: Gardening and Water Supply

Structure: One transparent layer in different colors



Golshan Hose



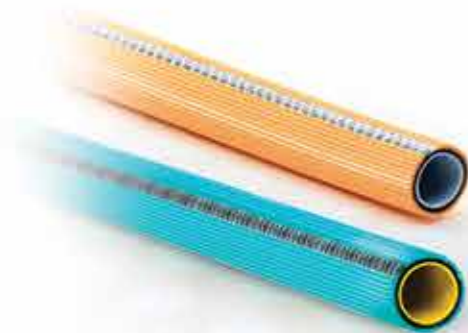
Marjan Hoses

57

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P. bar	B.F. bar	Weight kg./rol
1/2	12	2.87	50	7	23	9
3/4	19	3.4	50	6	20	16
1	25	3.93	50	6	18	22

Application: Gardening and Water Supply

Structure: Black Inner Layer-Green Middle Layer – Red Outer Layer



Nakhli Hoses

58

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P. bar	B.F. bar	Weight kg./rol
1/2	12	3	50	10	30	9
3/4	19	3.4	50	8	24	14.5

Application: Gardening and Water Supply (Outer)

Structure: 1- First Layer (Inner): Turquoise Blue-second layer: Industrial Polyester yarn-third layer:black Fourth Layer (outer): Yellow
2- First Layer (Inner): yellow-second layer: Industrial Polyester yarn-third layer:black Fourth Layer (outer): turquoise blue



Baharan Hoses

59

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P. bar	B.F. bar	Weight kg./rol
1/2	12	2.8	50	5	15	8
3/4	19	3	50	5	15	13.5

Application: Gardening and Water Supply

Structure: : Black Inner Layer-Red Outer Layer



Pardis Hoses

60

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P. bar	B.F. bar	Weight kg./rol
1/2	12	3	50	7	21	8.7
3/4	19	3.25	50	6	18	13.8
1	25	3.5	50	5	15	20.3

Application: Gardening and Water Supply

Structure: 1-White Inner Layer_Knitted Industrial Polyester Yarn
Middle Layer -Transparent Blue Outer Layer
2-Black Inner Layer-Knitted Industrial Polyester Yarn
Middle Layer-Transparent Green Outer Layer

Mahoor Hose



Resistant to sun's UV rays



Kink resistance



Working pressure 7 bar at 20



All seasons

2 Year warranty

2 Year Warranty

39

داراکار

Darakar Company

Crystal Hoses

61

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/4	6	1.5	100	1.8	5.4	4.1
5/16	8	1.5	100	1.8	5.4	5.3
3/8	10	1.75	100	1.8	5.4	6.5
12	12	2	100	1.8	5.4	10

Application: Split Air Conditioners, Aquariums and Other Industrial Uses

Structure: One Transparent Layer



Mahoor Hoses

62

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	2.7	15	10	30	2.3
1/2	12	2.6	50	10	30	7.5
3/4	19	4.8	50	8	24	12.5
1	25	3.1	50	7	21	18.8

Application: Gardening and Water Supply

Structure: white inner layer - industrial polyester yarn middle layer - grey outer layer with three strips (white - orange - blue)

Darakar Company

داراکار 40



Morvarid Hoses

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	2.25	50	6	18	6.2
3/4	19	2.5	50	5	15	10
1	25	3.5	50	5	15	15.5

Application: Gardening and water supply

Structure: Clear Inner and Outer Layers-Industrial Polyester Yarn Reinforcement in Between

Golshan Hoses

Nominal Dimensions inch	Inside Diameter mm	Thickness mm	Length m	W.P bar	B.F. bar	Weight kg /rol
1/2	12	2.7	15	7	21	2.75
1/2	12	3	15	7	21	8.7
3/4	19	3.25	50	6	18	13.8
1	25	3.25	50	5	15	20.3

Application: Gardening and Water Supply (Resistant to U.V rays)

Structure: 1-Gray Inner Layer-Industrial Polyester Yarn Middle Layer - Transparent Outer Layer with Orange Strips.
2-White Inner Layer- Industrial Polyester Yarn Middle Layer -Transparent Blue outer Layer with white Strips.

Four Pieces Accessories: Threaded Tap Connector, Threaded Hose Connector with stop, and Adjustable spray Nozzle.



Polyethylene Irrigation Tapes

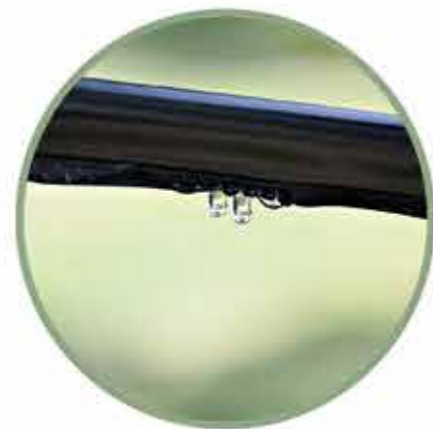
application:

- **Vegetables:** tomato, melon, onion, cucumber, watermelon, carrot, lettuce, cabbage ...
- **Commercial plants:** corn, sugarcane, cotton, sugar beet, soya
- **Beans:** beans, pea, lentil



IRRIGATION TAPE





Irrigation tape with dripper spacing 20cm

65

Dripper Spacing: 20cm

Nominal diameter: 16.5 ± 0.3 mm

Minimum of tape thickness (μm): $175 \pm 10\%$ $200 \pm 10\%$

Nominal flow in Lit/hr (with 7% tolerance at 1 bar nominal pressure)

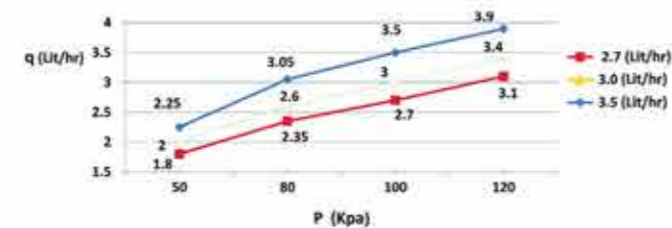
2.4 2.7 3 3.5

Range of working pressure (A multiple of 100 KPa): 0.6 - 1

Maximum allowed tensile force: 160 N

Tape length in roll: 1000 +5 m

Flow VS input pressure for tape with 20 cm Dripper Spacing



flow vs pressure

Irrigation tape with dripper spacing 10cm

66

Dripper Spacing: 10 cm

Nominal diameter: 16.5 ± 0.3 mm

Minimum tape thickness (μm): $175 \pm 10\%$ $200 \pm 10\%$

Nominal flow in Lit/hr (with 7% tolerance at 1 bar nominal pressure)

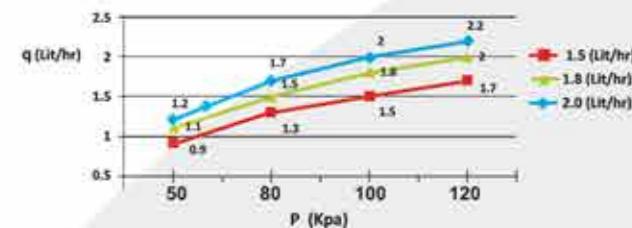
1.5 1.7 1.8 2.0

Range of working pressure (A multiple of 100 KPa): 0.6 - 1

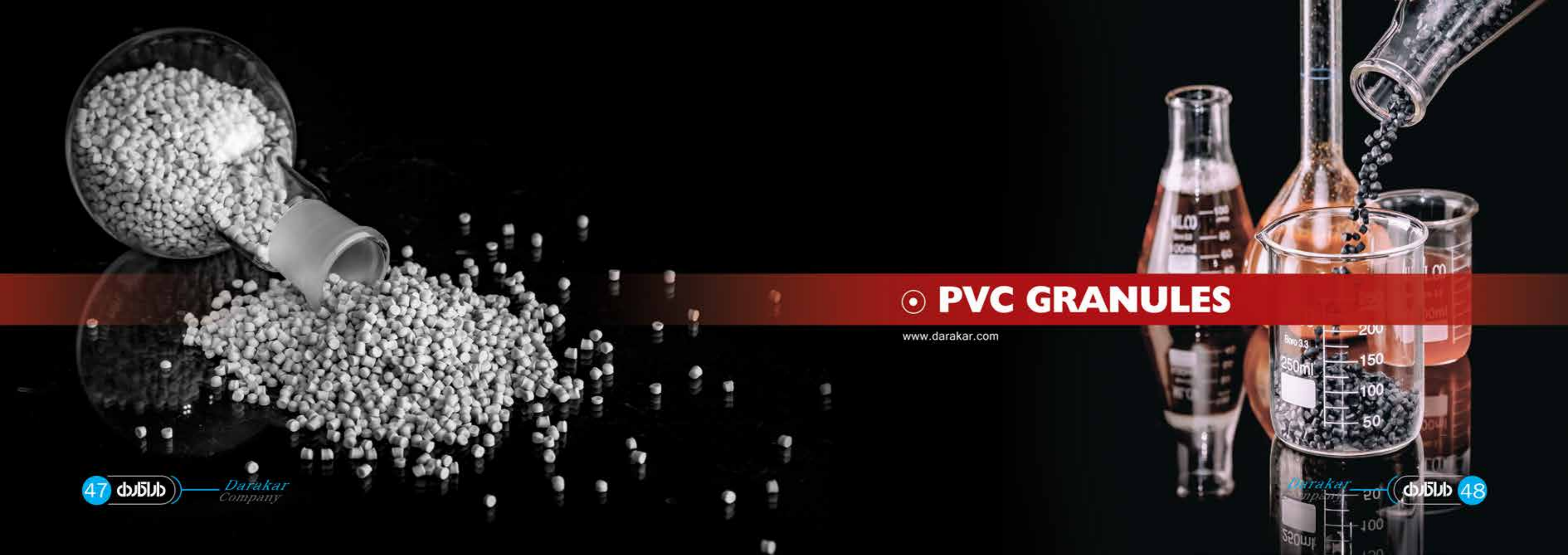
Maximum allowed tensile force: 160 N

Tape length in roll: 1000+5 m

Flow VS input pressure for tape with 10 cm Dripper Spacing



flow vs pressure



◎ PVC GRANULES

www.darakar.com



PVC Compounds

• Darakar produces PVC compounds and granules with different characteristics used in electrical and communication cable industries for a variety of insulation and sheaths (Tables 64 and 65) as well as PVC granules and compounds for other industrial application for special customer requests. All tests of raw materials and final compounds such as tensile strength, elongation at break, density and hardness measurement are done in equipped darakar's laboratory and test reports are send to customers along with final products.



GRANUL
PRODUCTS



Row	Responsible type	Product Code	Color	Tensile strength (N/mm ²)	Elongation at break(%)	Thermal stability @200°C/minute	Density(g/cm ³)	Hardness(shore A)
1	Flexible(ST5)(GENERAL)	DKS 113	Black	14±0.5	300±10	90±3	1.45±0.01	80±3
2	Flexible(ST5)	DKS 143	Black	13±0.5	280±10	85±3	1.45±0.01	78±3
3	Fixed installation(ST4)	DKS 213	Black	15±0.5	280±10	90±3	1.45±0.01	86±3
4	Cable inner covering	DKB 313	Black	14±0.5	250±10	120±5	1.61±0.01	84±3
5	Flexible(ST5)(Very soft)	DKS 153	Black	18±0.5	320±10	90±3	1.35±0.01	75±3
6	High Pressure(ST1)	DKS 243	Black	17±0.5	280±10	100±3	1.45±0.01	87±3
7	Telecommunication cable	DKS 714	Gray	16±0.5	300±10	90±3	1.45±0.01	80±3
8	Oil Resistant	DKS 513	Black	15±0.5	420±10	90±3	1.46±0.01	80±3
9	Welding	DKS 923	Black	15±0.5	330±10	100±3	1.45±0.01	83±3
10	Thermal(Hightemperature)	DKS 413	Black	15±0.5	290±10	180±5	1.45±0.01	80±3
11	Coaxial	DKS 812	white	15±0.5	310±10	90±3	1.45±0.01	80±3
12	Fixed Installation(PVC/C)(General	DKJ 211	Colorless	17±0.5	300±10	95±3	1.45±0.01	86±3

- Aging test for granules are done in 80 and 100 celsius degree for 168 hours.

Row	Responsible type	Product Code	Color	Tensile strength (N/mm ²)	Elongation at break(%)	Thermal stability @200°C/minute	Density(g/cm ³)	Hardness(shore A)
13	Flexible (PVS/D)General	DKI 111	Colorless	16±0.5	310±10	95±3	1.45±0.01	84±3
14	Flexible(PVC/D)(soft)	DKI 131	Colorless	15±0.5	300±10	90±3	1.47±0.01	80±3
15	Filer(Light)	DKF 311	Colorless	6±0.5	200±10	150±5	1.69±0.01	86±3
16	High Pressure(PVC/A)	DKI 241	Colorless	19±0.5	280±10	100±5	1.45±0.01	87±3
17	Telecommunication	DKI 711	Colorless	22±1	350±10	150±5	1.31±0.01	88±3
18	Flexible wire installation	DKI 932	white	15±0.5	300±10	85±3	1.53±0.01	80±3

- For special orders, Compounds can be produced in different colors.

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CERTIFICATE

