

**General Catalogue**



**KHORRAM PLASTIC TEHRAN**



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5th floor, No. 51, Golestan 6, Pasdaran St., Tehran, Iran

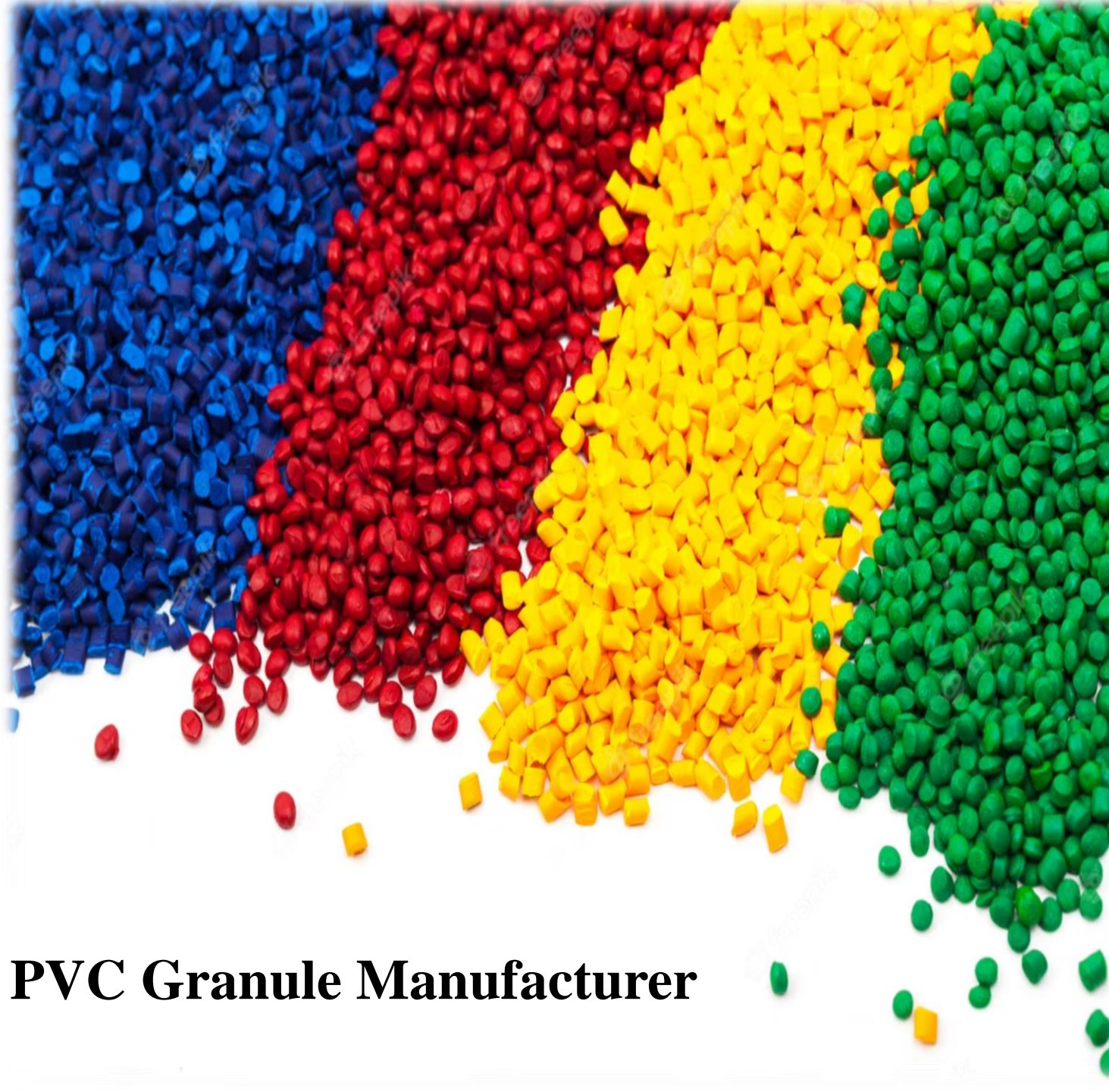


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021-79453000



**PVC Granule Manufacturer**

## Introducing KHORRAM PLASTIC TEHRAN



KHORRAM PLASTIC CO is one of the main producer of PVC granule products in Iran. During 50-year activity in the field, and employing experts' co-operation and consult, using the world modern technology and creating research and development units, quality control laboratory and also in business section have been able to approach unique product quality. The company based on pack of five-decade experiences and communicating with domestic and global polymer research center, have gone through long way so that it can provide the country's major industries-such as medical equipment, automotive, wire and cable, irrigation and building hose- with lower wastage, more economic and higher quality products. The company based on a pack of five-decade experience and communicating with domestic and global polymer research centers, have gone through long way so that it can provide the country's major industries-such as medical equipment, automotive, wire and cable, irrigation and building hose- with lower wastage, more economic and higher quality product.



## Hose Compound



## Wire & Cable Compound



## Medical Compound



## Pipe & Fitting Compound



## Automotive Compound



## Bottle & Packaging Compound



## Shoe Sole Compound



## Building Compound



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# Hose Compound





## Hose Granule Product

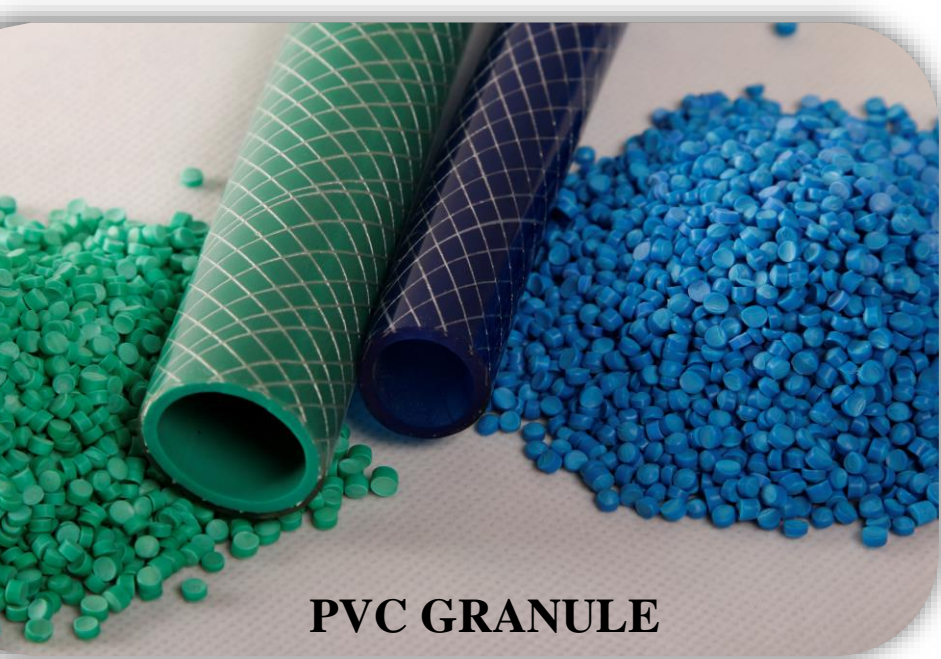
NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Hose and Hose Covering	KPH 4514 (102 BT5)	Transparent	1.14±0.01	45±2	85±5	11	250
2		KPH 5815 (104 BT5)	Transparent	1.15±0.01	58±2	60±5	13	220
3		KPH 6616 (106 BT5)	Transparent	1.16±0.01	66 ±2	85±5	15	210
4	Sanitation Hoses	KPH 6918 (108 BT5 & 108 BT5-T)	Transparent white	1.18±0.01	69 ±2	60±5	16	200
5	Industrial and Domestic Irrigation Hose	KPH 7420 (115 BT5)	Transparent	1.20±0.01	74±2	35±5	18	220
6	Garden Hoses	KPH 8221 (129BT5)	Transparent	1.21±0.01	82 ±2	85±5	7	210

PVC hoses are widely used in commercial applications because they are inexpensive, long-lasting, chemically resistant, and come in a variety of sizes. PVC hoses provide the following advantages: corrosion resistance, chemical resistance, reduced failures and obstructions in sewage pipes, shorter installation time, extended service life, and cheaper cost.





## Hose Granule Product



**PVC GRANULE**

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
7	Agricultural Irrigation Hose	KPH 6036 (106 CCZP)	Black White	1.36±0.01	60±2	45±5	18	210
8	Flexible Hoses	KPH 7025 (108CBLT2)	White	1.25±0.01	70 ±2	85±5	9	210
9	Industrial and Domestic Irrigation Hose	KPH 6668 (131CCZP)	Black	1.68±0.01	66±2	70±5	5	200
10	Flexible Hose of Air Conditioning Systems-Cooler Hose	KPH 8947 (140 CCZT)	White	1.47±0.01	89±2	90±5	15	240



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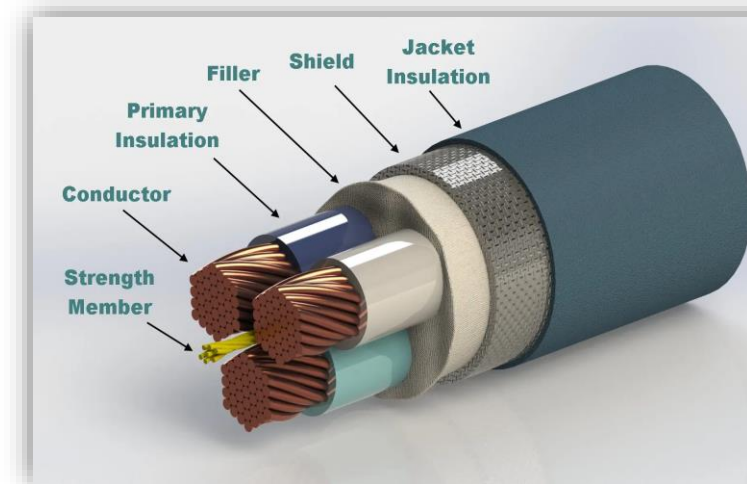
# Wire & Cable Compound



## Wire & Cable Granule Product

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	High Speed Extrusion Insulation	KPI 8246 (123CCZT)	Natural	1.46±0.01	82±2	40±5	14	220
2	Insulation	KPI 8448 (125 CCZ)	Based on costumer's need	1.48±0.01	84±2	40±5	14	220
3	Insulation	KPI 8021 (129BT5)	Transparent	1.21 ±0.01	80 ±2	45 ±5	18	200
4	Sheathing	KPJ 7546 (116CCZ & CCZP1)	Black White	1.46±0.01	75±2	40 ±5	12	230
5	Telephone Cable Sheathing	KPJ 7557 (107 CCZP9)	White	1.57±0.01	75±2	40 ±5	3	140

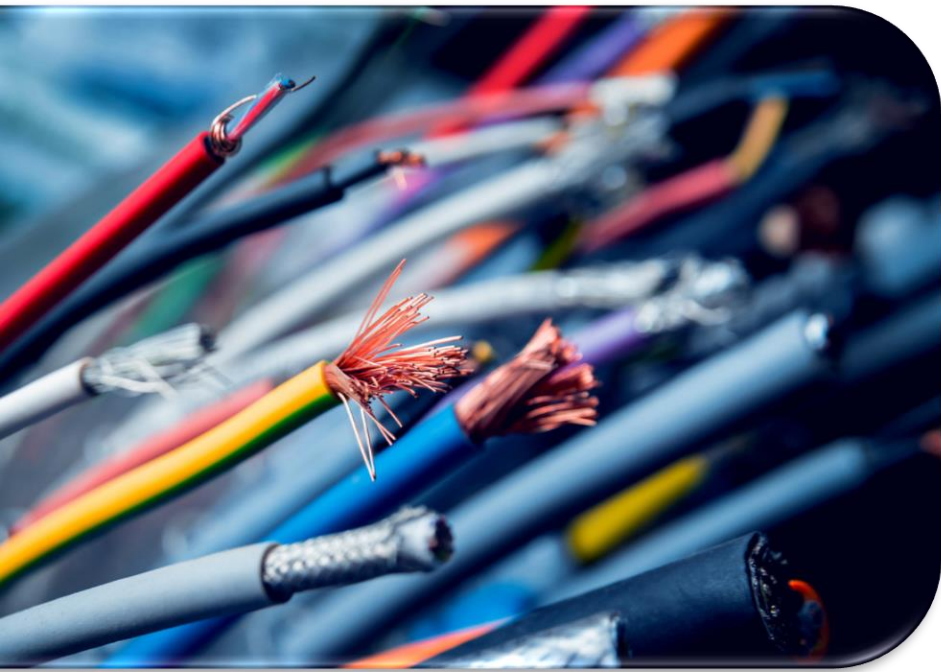
These compounds are based on various thermal stabilizers, such as calcium/zinc, etc., which can provide long-term stability and good primary coloration . The mechanical properties, hardness and density of compounds are among the properties that have been confirmed according to the universal standards by the internal laboratory of **Khorram Plastic** and are mentioned in the data sheet. The special formulation of these materials finally gives the product a smooth and gloss surface. The properties of granules are changeable based on customer's need.







# Wire & Cable Granule Product



NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
6	Insulation of welding	KPJ 6232 (106 TPE)	-	1.32±0.01	62±2	40±5	7	270
7	Fixed installation cables	KPJ 8547 (127 CCZP)	Black	1.47±0.01	85±2	40±5	14	220
8	Industrial & home Plug	KPJ 8330 (130 CBL)	Natural, Black, Grey	1.30±0.01	83±2	40±5	15	220
9	Filler	KPF 7472 (107 CCZ8)	Natural	1.72±0.01	74±1	60	5	100



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# Medical Compound





## Medical Granule Product

Medical grade PVC compounds are widely used in the production of medical products. **Khorram Plastic** Company, having a separate production hall and used medical compound production equipment, has been able to produce compounds with special formulations for the production of a wide range of medical products. By obtaining the ISO 13485 certificate and finally obtaining the medical compound production license, this company has been able to step forward as a leader in this field. Advantages of medical compounds of Khoram Plastic Company of Tehran:- Special formulation and variety of production compounds - Use of medical grade raw materials - Use of phthalate-free plasticizer

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore” A”)	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Medical Oxygen Hose and Mask	KMP7422 (108ACZ)	Transparent	1.22±0.01	74 ±2	Min 40	16 ±1	Min 220
2	Suction Tube	KPI 8525 (129ACZ)	Transparent	1.25±0.01	85 ±2	Min 30	Min 19	Min 210
3	Dropper	KMP5517 (102 ACZ)	Transparent	1.17±0.01	55 ±2	Min 60	11± 1	Min 400





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# Pipe & Fitting Compound



## Pipe and Fitting

PVC compound use has increased dramatically during the previous four decades. The durability, safety, and convenience of installation of PVC, as well as its price, are the reasons for its success. The benefits of employing Khoram Plastic Company's PVC compounds in the manufacture of pipes, profiles, and fittings are as follows: - Special formulation and variety - Compound uniformity



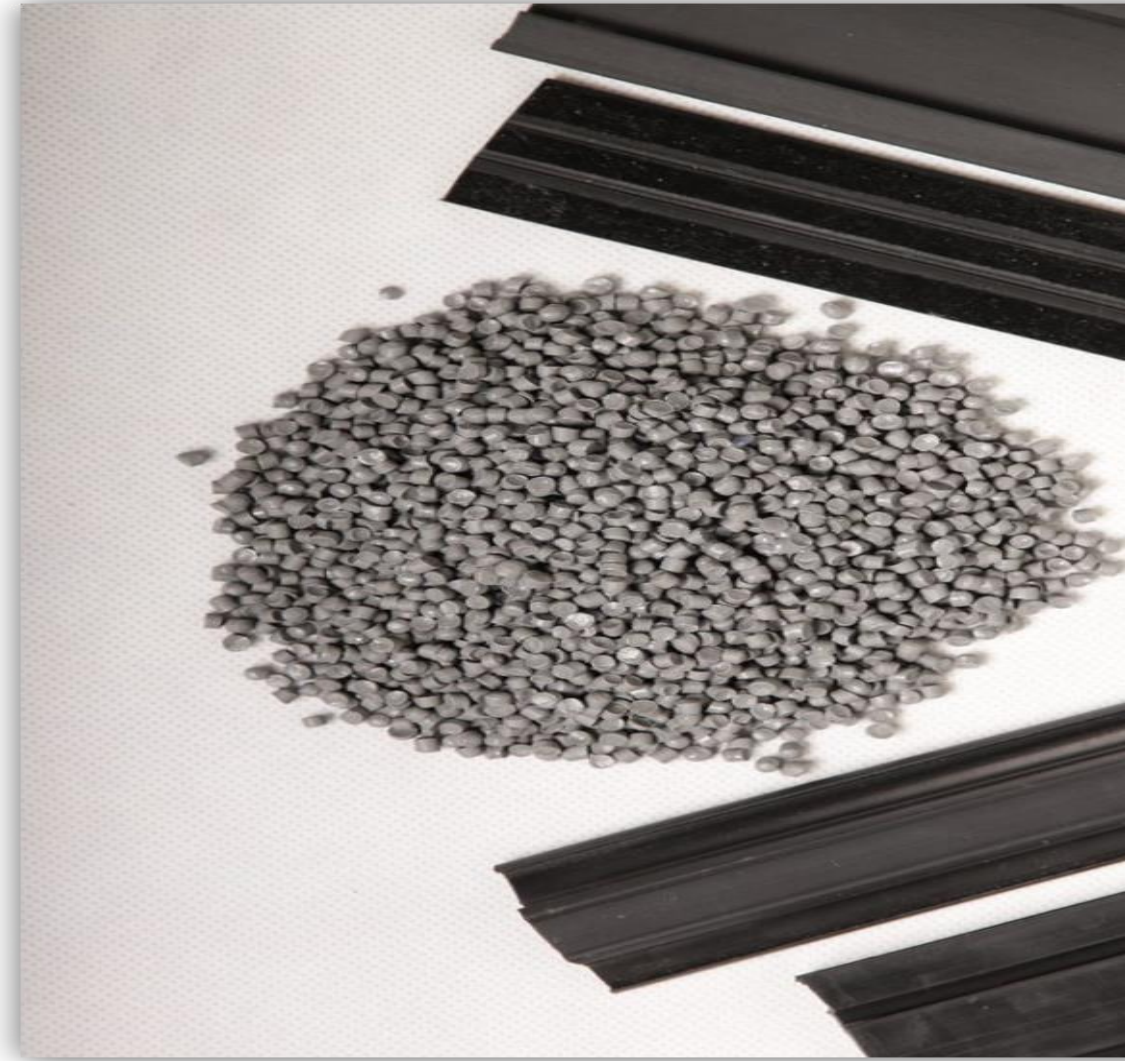
NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" D")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Electric Pipe	KPP 7748 (169CLT1)	White	1.48±0.01	77±2	Min 45	26	20
2	Power Switchbox	KPP 7629 (170CLP)	Black	1.29±0.01	76±2	Min 80	11	10
	Fitting							
3	UPVC Pipe	KPP 7631 (167CLT4)	-	1.65±0.01	75±2	Min 45	19	25



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# Automotive Compound





## Automotive Product

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Dust Cover of Gear Lever	KPA 5032 (104CLP7)	Black	1.32±0.01	50±2	Min 60	6	300
2	Automotive Door Handle	KPA 8123 (129CBLP)	Natural	1.23±0.01	81±2	Min 45	18	210
3	Automotive Door Finisher	KPA 9023 (139AT5UV)	Natural	1.23±0.01	90±2	Min 45	21	180
4	Automotive Ball Joint	KPA 6918 (108BT5)	Natural	1.18±0.01	69±2	Min 80	17	210
5	Car Carpet	KPA 6051 (106CLP7)	Natural	1.51±0.01	60±2	Min 60	10	200
6	Automotive Window seal	KPA 6450 (106CLP5)	Black	1.50±0.01	64±2	Min 60	10	200

Building today's automobiles necessitates the use of materials that aid in the protection of occupants, the production of cheaper, cleaner, and less energy-efficient vehicles, and the maintenance of a vehicle's lifespan, which is normally 10-15 years. Plastics, notably soft PVC, have played a significant role in reducing weight while improving performance and efficiency. Sun visors, synthetic leather seat covers, headrests, door handles, seat covers, automobile gear levers, floor coverings, and protective strips are examples of PVC automotive components utilized today.





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# Bottle & Packaging Compound







## Bottle and Packaging



PVC compounds are used in the production of industrial packaging films and food packaging, as well as PVC sheets. **Khorram Plastic Company** of Tehran with long experience in producing this type of compound has been able to minimize the import of this type of compound by relying on domestic production and knowledge. The products produced from this type of compounds have a shiny and uniform surface.

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A/D")	Stability 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Packaging	KPW 8221 (129BT5)	Transparent	1.21±0.01	82±2 A	45 Min	18	210
2	Rigid packaging	KPW 7529 (168AT5)	Transparent	1.29±0.01	75±2 D	35 Min	10	15
3	Bottle	KPW 7531 (168AT5-T5)	Transparent	1.31±0.01	75±2 D	35 Min	10	15



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# Shoe Sole Compound

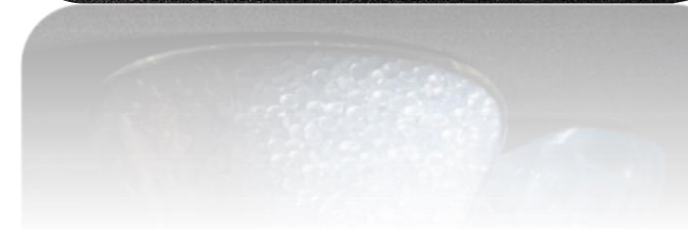




## Shoe Sole Granule

For many years, PVC has been utilized to make shoe uppers and soles, as well as pleasant slippers. A significant portion of shoe fashion in the twentieth and twenty-first century has been committed to the usage of PVC as part or all of the shoe production materials. The benefits of utilizing PVC in shoe bottoms and uppers include: PVC soles are resistant to wear; They are simple to manufacture; and are resistant to oil and gas.

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore" A")	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Medical Slipper	KPW 8121 (129BT5)	Transparent	1.21±0.01	81±1	45 min	18	210
2	Shoe Sole	KPW 4932 (102BBL)	Transparent	1.32±0.01	49±1	Min 35	15	220





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# Building Compound





## Building Compound

NO	Compound Type	Product Grade	Color	Density (gr/cm <sup>3</sup> )	Hardness (Shore <sup>''</sup> A/D <sup>''</sup> )	Heat Stability at 200°C (minute)	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Break (%)
1	Wall Panel & Duct	KPP 7563 (166CLT6)	White	1.63±0.01	75±2 D	Min 80	9	8
2	Refrigerator frame	KPP 7562 (165CLT7)	White	1.62±0.01	75±2 D	Min 80	11	10
3	Seal Gasket (windows,..)	KPB 9043 (139CL)	White	1.43±0.01	90±2 A	Min 80	13	220
4	Gasket	KPH 4514 (102 BT5)	Transparent/ blue	1.14±0.01	45±2	85±5	11	250
5		KPH 5815 (104 BT5)	Transparent	1.15±0.01	58±2	60±5	13	220

Approximately three-quarters of all PVC compound manufactured is utilized in building. According to research, PVC is successful in emitting less greenhouse gases, conserving resources and energy, and protecting the environment. PVC compounds are excellent for use in windows, ceilings, wall coverings, and flooring. Vinyl, unlike certain construction materials, does not corrode, does not require frequent repainting, and can be cleaned with simple cleaning agents.

