



# PE ENCASEMENT

PLASTICKAR, JULY 2021

## POLYETHYLENE ENCASEMENT

This product is a low density (LDPE) **co-extruded** film with an approximate thickness of 200 microns and it is used as a supplementary cover for ductile iron, metal or plastic pipes. This film is known as an inexpensive **encasement (tubular protection)** for underground pipelines against corrosive soils and it is mostly applied in road and construction industries.

Since these films are mostly used for underground pipes, they should be manufactured according to ISO8180 standard and in order to achieve high resistance and durability, certain additives are required to be added while producing the film.

Typically, some soil moisture penetrates into the casing, which initially can cause corrosive properties, however, the oxygen content under the casing will run out soon and the oxidation process stops quickly.

It is recommended to use this film in the following cases:

- Soil with low electrical resistivity, which indicates the high corrosive properties.
- Soils with high levels of sulfates, chlorides or bacterial activity.
- Areas with severe dust and storms.



<b>Product Name</b>	Polyethylene Encasement
<b>Other Names</b>	Pipe Protection Film, Pipe Coating, Pipe Cover
<b>Application</b>	<ul style="list-style-type: none"> <li>▪ Covering underground pipes in corrosive soil</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ Flexible, strong and durable</li> <li>▪ Resistance against puncture, tear and cracks</li> <li>▪ Resistance against extreme weather and corrosion</li> <li>▪ Resistance to the attack of rodents and insects</li> <li>▪ Prevention of moisture and chemical material penetration</li> <li>▪ Easy transfer and installation</li> <li>▪ No requirement for maintenance</li> <li>▪ Affordable price</li> <li>▪ Recyclable</li> </ul>
<b>Thickness</b>	Typically, 200 to 400 microns (based on the customer's request)
<b>Width</b>	Typically, 8 to 34 cm (based on the customer's request)
<b>Color</b>	Black, Transparent, Black/Silver (multi-color) (based on the customer's request)
<b>Packaging</b>	Rolls wrapped with PE film, inner core diameter is 76 mm, the core could be further supported by plastic lids on both ends of the roll.



پلاستیک‌کار  
PlasticKar  
سهامی خاص (P.J.S)



Add: Unit 6, Eram Alley, Vanak St., Tehran 1994733131, Iran

T: (+98 21) 8879 08 27-8 | F: (+98 21) 8888 07 35

[www.plastickarco.com](http://www.plastickarco.com) | [info@plastickarco.com](mailto:info@plastickarco.com)