

## POLYETHYLENE PE 6348M (486F8)

Product obtained by gas phase polymerization of ethylene in presence of complex metalorganic catalysts.	PE grade:	<b>High density polyethylene (HDPE)</b>
<u>Stabilization recipe</u> : antacid, antioxidant, thermostabilizer, dispersing agent.	Chemical name:	<b>Ethylene and hexene-1 copolymer</b>
<u>Application</u> : telephone cable jacketing.	Empirical formula:	<b>(-CH<sub>2</sub>-CH<sub>2</sub>-)<sub>n</sub></b>
	Design specification:	<b>TU 2211-145-05766801-2008</b>

PROPERTY	VALUE	TEST METHOD
1. Density (of base resin), g/cm <sup>3</sup> , in the range	0.946 – 0.950	ASTM D 1505
2. Melt Flow Rate, g/10 min, in the range: - at 5.0 kg/190°C - at 2.16 kg/190°C	- 0.7 – 0.9	ASTM D1238/L
3. Ratio: - MFR <sub>21.6 kg</sub> /MFR <sub>5.0 kg</sub> - MFR <sub>21.6 kg</sub> /MFR <sub>2.16 kg</sub>	- above 50	ASTM D 1238

### Additional Reference Properties

Property	Value	Test Method
Dielectric constant	2.3	ASTM D 150

**Supply form:** Pellets

**Packing:** Product is packed in polyethylene bags (one bag net weight 25.00±0.25 kg) and stacked on flat pallets with shrink film. Maximum gross weight of a bundle is 2 tons.  
PE may be packed into soft containers (big bags) sized for 400 – 1000 kg.  
Upon agreement with a customer PE pellets may be bulk loaded straight into wagons for pelletized polymer materials and into polymer trucks, as well as may be delivered in bags by railcars.

**Transportation:** By all modes of transport.

**Storage:** Polyethylene shall be stored in enclosed dry space preventing from direct sunlight on shelves or pallets at least 5 cm from the floor and at least 1 m from heaters, at temperature max 30 °C, relative humidity max 80 %.  
Prior to processing bags with polymer shall be kept in production area for at least 12 hrs.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release a customer from obligation to check the product as to suitability thereof for the intended application. A producer shall not be liable for any loss and damage that might occur due to use of this information.