

### POLYETHYLENE PE 6948C (486H3)

Product obtained by gas phase polymerization of ethylene in presence of complex metalorganic catalysts.

Stabilization recipe: antacid, antioxidant, thermostabilizer, processing aid, dispersing agent.

Application: basic component for PE 100 class pressure pipes.

PE grade: **High density polyethylene (HDPE)**  
 Ethylene and hexene-1 copolymer

Chemical name: **(-CH<sub>2</sub>-CH<sub>2</sub>-)n**

Empirical formula:

Design specification: **TU 2211-145-05766801-2008**

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	0.25 – 0.4 -	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>	min 18 -	ASTM D 1238

### Additional Reference Properties

Property	Value	Test Method
1. Flexural Modulus, MPa, min.:	1000	ASTM D 790
2. Izod Impact Strength at 23 °C, J/m, min.:	400	ASTM D 256
3. ESCR, hr.	above 1000	ASTM D 1693

**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.