

## POLYETHYLENE PEHD P 132 (PE 100)

PE grade code: High Density Polyethylene (Post-Consumer Recycled)

Stabilization recipe: Antiacid, antioxidant

thermostabilized processing aid,

dispersing agent carbon black.

Application: Pipe and cable protection pipe,

Extrusion, no pressure pipe.

<u>PHYSICAL PROPERTY</u>	<u>UNIT</u>	<u>VALUE</u>	<u>ANALYSIS METOD</u>
Compound Density at 23°C, in the range	g/cm3	0,955 – 0,965	ISO 1183
Melt Flow Index MFI (190°C / 5Kg)	g/10'	0,25 – 0,65	UNI 1133T
Hardness	Shore D	55 – 65	UNI EN ISO 868
<u>MECHANICAL</u>			
Tensile strenght at yield (23°C 50mm/min)	Mpa kgf/cm2	>22	UNI 5819
Tensile strenght at break (23°C 50mm/min)	Mpa kgf/cm2	>28	UNI 5819
Elongation at break (23°C 50mm/min)	%	>600	UNI 5819
Elastic modulus	Mpa	>700	UNI EN ISO 527-2
<u>PIGMENTATION</u>			
Carbon Black Content	%	2,00 – 2,50	ASTM D1603

### Additional Reference Properties

Quality rating shall be included after qualification tests.

**Supply form:** Pellets

**Packing:** Product is packed into soft containers (big bags) sized for 1000 – 1300 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.