

## POLYETHYLENE HDPE HIGH P 132 (PE 100)

**PE grade code:** High Density Poliethylene (HDPE)  
**Stabilization recipe:** Antiacid, antioxidant  
**Thermostabilizer:** Processing aid, dispersing agent carbon black  
**Application:** Pipe and cable protection pipe, Extrusion, no pressure pipe

<b>PHYSICAL PROPERTY</b>	<b>UNIT</b>	<b>VALUE</b>	<b>ANALYSIS METOD</b>
<b>Compound Density at 23°C, in the range</b>	g/cm <sup>3</sup>	<b>0,955 – 0,965</b>	ISO 1183
<b>Melt Flow Index MFI</b> (190°C / 5Kg)	g/10'	<b>0,25 – 0,65</b>	UNI 1133T
<b>Hardness</b>	Shore D	<b>55 – 65</b>	UNI EN ISO 868
<b>MECHANICAL</b>			
<b>Tensile strenght at yield</b> (23°C 50mm/min)	Mpa kgf/cm <sup>2</sup>	<b>&gt;22</b>	UNI 5819
<b>Tensile strenght at break</b> (23°C 50mm/min)	Mpa kgf/cm <sup>2</sup>	<b>&gt;28</b>	UNI 5819
<b>Elongation at break</b> (23°C 50mm/min)	%	<b>&gt;600</b>	UNI 5819
<b>Elastic modulus</b>	Mpa	<b>&gt;700</b>	UNI EN ISO 527-2
<b>PIGMENTATION</b>			
<b>Carbon Black Content</b>	%	<b>2,00 – 2,50</b>	ASTM D1603
<b>THERMAL</b>			
<b>OIT 210°C</b>	Min	<b>20</b>	ISO 11357-6

### Additional Reference Properties

Quality rating shall be included after qualification tests

**Supplay 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.