

POLYETHYLENE HDPE HIGH P 131 (PE 80)

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.

PHYSICAL PROPERTY	UNIT	VALUE	ANALYSIS METOD
Compound Density at 23°C, in the range	g/cm ³	0,945 - 0,969	ISO 1183
Melt Flow Index MFI (190°C / 5Kg)	g/10'	0,60 - 1,1	UNI 1133T
Hardness	Shore D	50 - 60	UNI EN ISO 868
MECHANICAL			
Tensile strenght at yield (23°C 50mm/min)	Mpa kgf/cm ²	>20	UNI 5819
Tensile strenght at break (23°C 50mm/min)	Mpa kgf/cm ²	>28	UNI 5819
Elongation at break (23°C 50mm/min)	%	>600	UNI 5819
Elastic modulus	Mpa	>700	UNI EN ISO 527-2
PIGMENTATION			
Carbon Black Content	%	2,00 - 2,50	ASTM D1603
THERMAL			
OIT 210°C	Min	>20	ISO 11357-6

Additional Reference Properties

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.