PEHD P 131 (PC) PE 80

PE grade code: High Density Polyethylene recycled (Post-Consumer Recycled)
Stabilization recipe: Antiacid, antioxidant
thermostabilized processing aid,
dispersing agent carbon black.
Application: Pipe coating and cable protection

PHYSICAL PROPERTY	UNIT	VALUE	ANALYSIS METOD
Compound Density at 23°C, in the range	g/cm3	**0,945 – 0,960**	ISO 1183
Melt Flow Index MFI			
(190°C / 2,16Kg)	g/10'	**0,3 – 1**	UNI 1133T
Hardness	Shore D	**55 – 60**	UNI EN ISO 868
ESCR (F50 10%IGEPAL)	hr	**> 1000**	ASTM D1693
(F50 100% IGEPAL)	hr	**> 300**	ASTM D1693
Brittlenes point	°C	**< -60**	ASTM D 746
Vicat softening point A/50 (10N)	°C	**118**	ASTM D 1525
Melting Point	°C	**132**	ASTM D 2117
MECHANICAL			
Tensile strenght at yield			
(23°C 50mm/min)	Mpa kgf/cm2	**> 15**	UNI 5819
Elongation at break			
(23°C 50mm/min)	%	**> 600**	UNI 5819
PIGMENTATION			
Carbon Black Content	%	**> 2,00**	ASTM D1603
OIT (210°C)	min	**≥ 30**	ISO 11357
OIT (220°c)	min	**≥ 10**	ISO 11357

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.