

## HIGH DENSITY POLYETHYLENE

# HDPE

### GRADE: PE2NT22-12

#### Typical applications

Grade PE2NT22-12 is intended for further processing by injection moulding into articles for household and domestic use with increased cracking resistance such as bottle caps, box covers, caps, boxes, containers, trays, housewares, injection syringe parts and needles, toys.

#### TECHNICAL CHARACTERISTICS

	Parameter	Standard
1.	Density, kg/m <sup>3</sup> at 23°C at 20°C	958 - 965 960 - 966
2.	Melt flow index at 190°C and load of 2.16 kg, g/10 min	6 - 9
3.	Melt flow index spread within a batch, %, maximum	±15
4.	Number of inclusions, pieces, maximum	10
5.	Melt Flow Ratio (MFI 21.6/MFI 2.16)	20 - 35
6.	Tensile yield strength, MPa, minimum	28
7.	Rupture strength, MPa, minimum	17
8.	Elongation at break, %, minimum	-
9.	Cracking resistance, hours, minimum	-
10.	Weight content of pellets less than 2 mm and more than 5 to 8 mm in size, %, maximum	1

Supply form: Pallets

Packing: Product is packed in polyethylene bags (one bag net weight 25.00 ±0,25kg) and stacked on flat pallets with shrink film. Maximum gross weight of a bundle is 2 tons.

Transport: 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 1m from heaters, at a temperature max 30°C, relative humidity max 80%  
Prior to processing bags with polymer shall be kept in production are 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 Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not for any loss and damage that might occur due to use of this information