



Producer: National Petrochemical Company (NPC) / Iran

HD5620EA

Description:

HD5620EA is a high density polyethylene grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications. This grade has following characteristics :

- High flowability
- High warpage resistance
- Suitable for fast cycling applications

Applications:

- House ware
- Toyes
- Thin walled containers etc

DESCRIPTION OF PROPERTIES	UNIT	VALUE	TEST METHOD
MFI (190°C/2.16 kg)	gr/10min	20	ASTM D 1238-7 condition E
Density	gr/cm ³	0.956	ASTM D 2839 - 69
Tensile strength @ yield	Mpa	22	ASTM D 638 - 72
Elongation @ break	%	900	ISO R527-Type 2 speed D
Flexural modulus	Mpa	1000	ASTM D 790 - 71
Charpy impact strength(Notched)	KJ/m ²	10	ASTM D 256 - 73B
Hardness	Shore D	66	ASTM D 2240 - 75

The above data are typical laboratory average . They are intended to serve as guides only.

Storage:

HD5620EA should be stored in dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

Recycling & Environment :

End products made from this polymer can be recycled, incinerated or disposed of in landfill without detriment to the environment. With recycling , clean waste can be re-used for many less demanded applications .

Alternatively , with properly controlled and efficient incineration , preferably linked to heat or other energy recovery system, polyethylene's high calorific value will assist the combustion of municipal solid waste .

In landfill sites HD 5620 EA does not degrade to produce voids, and does not emit dangerous gases or contribute to ground water pollution. If pigments or other additives are incorporated into this product at the processing stage, the above statements may not be fully valid .

Food Contact :

The composition of products complies with the EC Directive 90/128/EEC for use in food contact application.

Packaging:

This product is packed in 25 Kg PE bags.