

# Technical Data Sheet

## Product Description

### HDPE 62N07

**HDPE 62N07** is an injection- moulding grade high density polyethylene. Good impact strength, easy processing, high rigidity and UV resistance make it especially suitable for usage in crates, pallets, seats and house holdware.

<b>Characteristic</b>	<b>Typical value</b>	<b>Unit</b>	<b>Test method</b>
<i>Melt flow index (190°C/2.16kg)</i>	6.2	gr/10min	ASTM D1238-10
<i>Melt flow index (190°C/21.6kg)</i>	158.1	gr/10min	ASTM D1238-10
<i>FRR</i>	25.5	-	ASTM D1238-10
<i>Density (23°C)</i>	0.961	gr/cm3	ASTM D1505-10
<i>Contamination ratio</i>	3	-	BASELL MTM-17064 E
<i>Flexural Modulus (Young)</i>	1000	Mpa	ASTM D790-10
<i>Tensile stress at yield</i>	30	Mpa	ASTM D638-10
<i>Tensile stress at break</i>	12	Mpa	ASTM D638-10
<i>Elongation at break</i>	850	%	ASTM D638-10
<i>IZOD impact resistance</i>	55	j/m	ASTM D256-02

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated.



## *Handling, Health & Safety*

Ensure proper ventilation of the work environment to minimize health and safety hazards from fine particles. Ensure machinery and equipment is properly grounded to prevent sparks that can ignite dust. Molten polymers will cause thermal injuries to organic matter, please ensure safety glasses and appropriate safety apparel is worn.

## *Storage conditions*

Polyethylene products (in pelletized or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet causes a change in the materials properties. The storage area should be dry and preferably not exceed 50 °C. Under cool, dry, dark conditions polyethylene resins are expected to maintain the original properties for at least 18 month. FM Plastics cannot be held responsible for diminishing qualities due to poor storage conditions, such as; color change, foul smell etc. Generally, it is considered best to process polyethylene resin within 6 months after delivery.

## *Packaging*

Polyethylene resins are supplied in pellet form packed in 25kg bags on 1.375 kg pallets.

