

# **Technical Data Sheet**

### **Product Description**

#### FM HDPE 62N07

**HD 62N07** is a 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.

Charact	eristic	Typical value	Unit	Test method
Melt	flow index	<b>c</b> 6.2	gr/10min	ASTM D1238-10
(190°C	/2.16kg)			
Melt	flow index	<b>x</b> 158.1	gr/10min	ASTM D1238-10
(190°C	/21.6kg)			
FRR		25.5	-	ASTM D1238-10
Density(23°C)		0.961	gr/cm3	ASTM D1505-10
Contamination ratio		3	-	BASELL MTM-17064 E
FlexuralModulus(Young)		1000	Мра	ASTM D790-10
Tensile	stress at yield	30	Мра	ASTM D638-10
Tensile	stress at break	<b>1</b> 2	Мра	ASTM D638-10
Elongat	ion at break IZOD	850	%	ASTM D638-10
impact .	resistance	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.

