

HD-5218EA

1)Product Description:

HD-5218EA is a high density polyethylene copolymers containing butane-1 as the comonomer with narrow molecular weight distribution, suitable for thin wall injection application. It has been designed for fast cycling application and low warpage with a good balance of toughness and stiffness characteristics.

2) Applications:

- Houseware
- Thin walled containers
- Food container
- Toys
- Home utensil

3)Typical data

Property	Test Method	Unit	Typical Value
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	18.0
MFI(190°C / 5.0Kg)			52.0
Density	ASTM D 1505	gr/cm ³	0.952
Flexural Modulus	ASTM D 790	MPa	1050
Tensile Strength at yield	ASTM D 638	MPa	20
Tensile Strength at Break	ASTM D 638	MPa	
Elongation at Break	ASTM D 638	%	900
Charpy Impact Strength	ASTM D 256	Kj/m ²	3
Hardness Shore D	ASTM D 2240	-	65
Vicat Softening Temperature	ASTM D 1525	°C	115
Melting Point	ASTM D2117	°C	131

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

4) Processing Conditions

Typical moulding conditions for HD-5218EA are:

- Melt temperature: 180-250°C
- Mould temperature: 25-35 °C
- Injection pressure: 70-80 Mpa
- Hold pressure: Just high enough to avoid sink mark
- Injection speed: Highest possible

Producer: Tabriz Petrochemical Co. Licensor: BP Packing: 25 Kg plastic bag