



**TPC**

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**HD -5218EA  
High Density polyethylene**

**- 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.

**- Applications**

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

**- Typical Data**

Property	Test Method	Unit	Typical Value
<b>Physical Properties</b>			
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 <sup>3</sup>	0.952
<b>Formulation</b>			
Anti Oxidant			√
Slip Agent			-
UV Stabilizer			-
<b>Mechanical Properties</b>			
Flexural Modulus	ASTM D 790	MPa	1050
Tensile Strength at yield	ASTM D 638	MPa	20
Elongation at Break	ASTM D 638	%	900
Charpy Impact Strength	ASTM D 256	Kj/m <sup>2</sup>	3
Hardness Shore D	ASTM D 2240	-	65
<b>Thermal Properties</b>			
Vicat Softening Temperature	ASTM D 1525	°C	115
Melting Point	ASTM D2117	°C	131