

**HD-6070UA**  
**High Density polyethylene**

**Product Description**

HD-6070EA is a high density polyethylene injection moulding grade with a narrow molecular weight distribution. It is intended for use in injection moulding application where easy processing, high rigidity, good impact strength and high warpage resistance are required. This grade is available with UV stabilizer as HD-6070UA.

**Applications**

- Creates
- Boxes
- Seats
- Structural foam
- Industrial pails
- Trays

**Typical data**

Property	Test Method	Unit	Typical Value
<b>Physical Properties</b>			
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	7.2
MFI(190°C / 5.0Kg)			21.5
Density	ASTM D 1505	gr/cm <sup>3</sup>	0.960
<b>Formulation</b>			
Anti Oxidant			√
UV Stabilizer			√
<b>*Mechanical Properties</b>			
Flexural Modulus	ASTM D 790	MPa	1500
Tensile Strength at yield	ASTM D 638	MPa	26
Elongation at Break	ASTM D 638	%	1000
Charpy Impact Strength	ASTM D 256	Kj/m <sup>2</sup>	6
Hardness Shore D	ASTM D 2240	-	68
ESCR	ASTM D1894		8
<b>Thermal Properties</b>			
Vicat Softening Temperature	ASTM D 1525	°C	125
Melting Point	ASTM D2117	°C	132

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