

Product Data Sheet

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

Property	Test Method	Unit	Typical Value
Physical Properties			
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 ³	0.960
Formulation			
Anti Oxidant			√
UV Stabilizer			√
*Mechanical Properties			
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 ²	6
Hardness Shore D	ASTM D 2240	-	68
ESCR	ASTM D1894		8
Thermal Properties			
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.

