



# RIGIDEX<sup>®</sup> HD6070EA

## Product Technical Information

RIGIDEX<sup>®</sup> HD6070EA is a high density polyethylene with a narrow molecular weight distribution, suitable for a wide range of injection and compression moulding applications.

## Benefits & Features

- Easy processing
- High rigidity
- Good impact strength
- Low warpage
- Slip agent free grade

## Applications

- Caps & closures – non beverages
- Beverages over-caps
- Technical parts
- Bins
- Crates, boxes, household items
- Structural foam
- Cartridges

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	7.6	g/10min
<b>Physical</b>				
Density ISO 17855-1	23°C, conditioning ISO 17855-1	ISO 1183-1	960	kg/m <sup>3</sup>
<b>Mechanical</b>				
Charpy Impact Strength	23°C	ISO 179-1	4	kJ/m <sup>2</sup>
Tensile Modulus	1B	ISO 527-1,-2	1500	MPa
Tensile Strength at Yield	1B	ISO 527-1,-2	31	MPa
<b>Environment</b>				
Environmental Stress Cracking Resistance (BTI)	23°C	ASTM D1693	60	h
<b>Data should not be used for specification work</b>				

## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

It is advised to process the product within maximum one year after delivery.