



# RIGIDEX<sup>®</sup> HD6012EA

## Product Technical Information

**RIGIDEX<sup>®</sup> HD6012EA** is a high-density polyethylene with a narrow molecular weight distribution, suitable for a wide range of injection and compression moulding applications.

## Benefits & Features

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

## Applications

- Caps & closures – non beverage
- Tethered caps
- Beverage over-caps
- Cartridges
- Technical parts
- Household items

Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Density		ISO1183-1 & ISO 1872-1	960	kg/m <sup>3</sup>
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	12	g/10min
<b>Mechanical *</b>				
Tensile Modulus	23°C	ISO 527-1,-2	1500	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	31	MPa
Charpy Impact Strength	23°C	ISO 179	3	kJ/m <sup>2</sup>
Environmental Stress Cracking Resistance (ESCR)	23°C	ASTM 1693	40	h

\* estimated: evaluation in progress

Data should not be used for specification work

## 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.