

# RIGIDEX<sup>®</sup> HD5226EA-B

## Product Technical Information

**RIGIDEX<sup>®</sup> HD5226EA-B** is a high density polyethylene copolymer with a narrow molecular weight distribution combined with a narrow bulk density dispersion, suitable for thin wall injection moulding and fast cycling applications requiring excellent reproducibility. Thanks to high purity and excellent organoleptic properties, this grade is particularly intended for the packaging in direct contact with beverages.

## Benefits & Features

- High flow
- Low warpage
- Slip agent free grade
- Accurate processing
- Excellent, quality controlled organoleptic properties. In order to preserve the excellent organoleptic properties, it is important not to exceed a melt temperature of 250°C during processing

## Applications

- Caps & closures for the packaging of still mineral water, aromatized waters and juices
- Thin-walled containers

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	26	g/10min
<b>Physical</b>				
Density ISO 1872-1	23°C	ISO 1183-1	953	kg/m <sup>3</sup>
Bulk Density		INEOS 13A/03	0.55	g/ml
<b>Mechanical</b>				
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	1150	MPa
Tensile strength at yield	23°C, 50mm/min	ISO 527-2	26	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	2.5	kJ/m <sup>2</sup>
Environmental Stress Cracking Resistance (ESCR)	23°C	ASTM 1693	8	h
<b>Organoleptic</b>				
Organoleptic properties		INEOS Test Method	ok	-
<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.