RIGIDEX® HD5226EA

Product Technical Information

RIGIDEX® HD5226EA is a high density polyethylene copolymer with a narrow molecular weight distribution, suitable for thin wall injection moulding and fast cycling applications.

Benefits & Features

- High flow
- Low warpage
- Slip agent free grade

Applications

- Caps & closures – non beverages
- Beverage over-caps
- Thin-walled containers

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	26	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	953	kg/m³
Mechanical				
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/m²
Environmental Stress Cracking Resistance (ESCR)	23°C	ASTM 1693	8	h

Data should not be used for specification work

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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.

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