RIGIDEX® HD5211EA

Product Technical Information

RIGIDEX® HD5211EA is a high density polyethylene copolymer with a narrow molecular weight distribution, suitable for a wide range of injection and compression moulding applications.

Benefits & Features

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

Applications

- Caps & closures – non beverages
- Beverage over-caps
- Household
- Toys
- Pails
- Cartridges

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	11	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	951	kg/m³
Mechanical				
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	1100	MPa
Tensile strength at yield	23°C, 50mm/min	ISO 527-2	26	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	3.5	kJ/m²
Environmental Stress Cracking Resistance (ESCR)	23°C	ASTM 1693	60	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.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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