RIGIDEX® HD6012EA

Product Technical Information

RIGIDEX® 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
Physical				
Density		ISO1183-1 & ISO 1872-1	960	kg/m³
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	12	g/10min
Mechanical *				
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/m²
Environmental Stress Cracking Resistance (ESCR)	23°C	ASTM 1693	40	h

*** estimated: evaluation in progress**

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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