Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

RIGIDEX® HD6070EA

Product Technical Information

RIGIDEX® HD6070EA is a high density polyethylene with a narrow molecular weight distribution, suitable for a wide range of injection and compression moulding applications.

Benefits & Features

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

Applications

- Caps & closures – non beverages
- Beverages over-caps
- Technical parts
- Bins
- Crates, boxes, household items
- Structural foam
- Cartridges

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	7.6	g/10min
Physical				
Density ISO 17855-1	23°C, conditioning ISO 17855-1	ISO 1183-1	960	kg/m³
Mechanical				
Charpy Impact Strength	23°C	ISO 179-1	4	kJ/m²
Tensile Modulus	1B	ISO 527-1,-2	1500	MPa
Tensile Strength at Yield	1B	ISO 527-1,-2	31	MPa
Environment				
Environmental Stress Cracking Resistance (BTT)	23°C	ASTM D1693	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.

Exclusion of Liability

Although INEOS O&P Europe endeavours to ensure that all information and advice relating to our materials or other materials howsoever provided to you by INEOS O&P Europe is accurate and up to date, no representation or warranty, express or implied is made by INEOS O&P Europe as to its accuracy or completeness. All such information and advice is provided in good faith and INEOS O&P Europe is not, to the maximum extent permitted by law, liable for any action you may take as a result of relying on such information or advice or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

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