

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/m ³ |
| Mechanical | | | | |
| Charpy Impact Strength | 23°C | ISO 179-1 | 4 | kJ/m ² |
| 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.

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