RIGIDEX® HD6007S

Product Technical Information

RIGIDEX® HD6007S is a medium molecular weight polyethylene grade supplied in pellet form for use in a wide range of blow moulding and extrusion applications.

Benefits & Features

- Very easy processing
- High rigidity
- Good surface finish

Applications

Lightweight containers produced at high speeds, e.g. bottles for packaging powders, fresh milk and products which have a low environmental stress cracking activity.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	0.6	g/10min
Physical				
Density	23°C, conditioning ISO 17855-1	ISO 1183-1	962	kg/m³
Mechanical				
Tensile Strength at yield	23°C, 50 mm/min	ISO 527-1,-2	31	MPa
Tensile Strain at Break	23°C, 50 mm/min	ISO 527-1,-2	> 300	%
Flexural Modulus	23°C	ISO 178	1700	MPa
Charpy Notched Impact Strength	+23°C, method 1eA	ISO 179-1	8(1)	kJ/m²
Environmental Stress Cracking Resistance (BTT)	F50, 50°C, 10% concentration	ASTM D1693	20	h
Data should not be used for specification work				

(1) No total failure

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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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