



# 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.

### Typical applications

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

### Benefits and Features

- Very easy processing
- High rigidity
- Good surface finish

Properties	Test Methods	Values	Units
<b>Physical</b>			
Density (annealed)	ISO 1872	962	kg/m <sup>3</sup>
Melt Flow Rate      2.16 kg load	ISO 1133	0.6	g/10min
<b>Mechanical</b>			
Tensile Strength @ yield (23°C, Type 2 Speed D)	ISO 527	30.5	MPa
Elongation @ break (23°C, Type 2 Speed D)	ISO 527	> 300	%
Flexural Modulus (23°C @ 100 mm/min)	ISO 178	1700	MPa
Charpy Impact Strength	ISO 179	8	kJ/m <sup>2</sup>
BTT stress crack resistance (F50 @ 50°C, 100% concentration)	ASTM 1693-97a	20	hours
Bottle stress crack resistance (60°C)	INEOS Method	1	hours

The values given are typical values measured on the product. These values should not be considered as specification



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

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