



# RIGIDEX<sup>®</sup> HD6007S

## Product Technical Information

**RIGIDEX<sup>®</sup> 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
<b>Rheological</b>				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	0.6	g/10min
<b>Physical</b>				
Density	23°C, conditioning ISO 17855-1	ISO 1183-1	962	kg/m <sup>3</sup>
<b>Mechanical</b>				
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/m <sup>2</sup>
Environmental Stress Cracking Resistance (BTT)	F50, 50°C, 10% concentration	ASTM D1693	20	h
<b>Data should not be used for specification work</b>				

<sup>(1)</sup> No total failure

## 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.