



# RIGIDEX<sup>®</sup> P CAP986S

## Product Technical Information

**RIGIDEX<sup>®</sup> P CAP986S** is an impact copolymer polypropylene, manufactured with a non phthalate based catalyst. It is suitable for closures requiring good impact performance, especially at low temperature, balanced with low tendency to stress whitening. It is specifically designed and formulated for bi-component screw caps for carbonated soft drinks made by either injection or compression moulding.

## Applications

- closures requiring good impact performances- especially at low temperature - and easy application and opening torque
- bi-component screw caps for carbonated soft drinks

## Benefits & Features

- Good processability
- High impact strength
- Low tendency to exhibit stress whitening
- Grade containing slip agent for easy opening
- Good mould release
- Manufactured with a non phthalate based catalyst

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	6	g/10min
<b>Mechanical</b>				
Flexural Modulus	23°C	ISO 178	1500	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	30	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	6	kJ/m <sup>2</sup>
Charpy Impact Strength, notched	0°C	ISO 179-1/1eA	4	kJ/m <sup>2</sup>
<b>Thermal</b>				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	110	°C
<b>Data should not be used for specification work</b>				

## 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.