

# Recycl-IN rHD5620BK



## DATA SHEET



### Product Technical Information

High density polyethylene copolymer resin containing 50% weight of post-consumer recycle.

### Benefits & Features

Recycl-IN rHD5620BK is a ready to use high density polyethylene grade of black colour (indicative reference - RAL 9005) containing 50% postconsumer recycle and supplied in pellet form. The grade is dedicated for injection-moulding applications requiring good environmental stress cracking resistance.

- / Very good processability
- / Good environmental stress cracking resistance

### Applications

- / Caps & closures
- / Technical parts
- / Bins
- / Household goods
- / Crates, boxes, household items

rHD5620BK is not intended for food contact, pharmaceutical or medical applications.

### 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.

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Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	1.8	g/10min
Density ISO 17855-1	23°C	ISO 1183-1	956	kg/m <sup>3</sup>
<b>Mechanical</b>				
Environmental Stress Cracking Resistance (ESCR) on cap	40°C, 6 bar, 10% Igepal	INEOS Test Method	16	h
Charpy Impact Strength	23°C	ISO 179	4.3	kJ/m <sup>2</sup>

Data should not be used for specification work

#### 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](http://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](http://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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